



Anwarul Uloom College, (Autonomous)

New Mallepally, Hyderabad, TS

Affiliated to Osmania University

(Re-Accredited with NAAC with A- Grade)



**Bachelor of Arts, Bachelor of Commerce, Bachelor of Science and Bachelor of
Business Administration**


Department of Arabic (Second Language)

Under Graduate 1st, 2nd & 3rd year (CBCS)

(Approved Syllabus for the Academic year 2021-2022)

Course Structure (2021-2022)

S. No	Year	Sem	Paper / Title	Teaching Hours / Week	Units	Credits	MARKS		
							Internal Assessment	End Semester	Total
1	1 st year	I	Arabic – I Annasrul Qadeem, Annasrul Jadeed, Qavaeed, Tariqul Adabi Arabi (Arabic Second Language)	4	4	4	20	80	100
2			Environmental Studies (AECC- I)	2	2	2	-	50	50
3	1 st year	II	Arabic – II Annasrul Qadeem, Annasrul Jadeed, Qavaeed, Tariqul Adabi Arabi (Arabic Second Language)	4	4	4	20	80	100
4			Basic Computer Skills (AECC- II)	2	2	2	-	50	50
5	2 ND year	III	Arabic – III Annasrul Qadeem, Annasrul Jadeed, Qavaeed, Tariqul Adabi Arabi (Arabic Second Language)	3	3	3	15	35	50
6			Advance Grammar, Information Technology & Functional Arabic (SECC- II)	2	2	2		50	50
7	2 ND year	IV	Arabic – IV (Arabic Second Language) Annasrul Qadeem, Annasrul Jadeed, Qavaeed, Tariqul Adabi Arabi	3	3	3	15	35	50
8			Advance Grammar, Information Technology & Functional Arabic (SECC- III & IV)	2	2	2	--	50	50


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9	3 rd year	V	Arabic – V (Arabic Second Language) Translation, Poetry & History of Arabic Literature	3	3	3	15	35	50
10			G.E.I.	2	2	2	-	50	50
11	3 rd year	VI	Arabic – VI (Arabic Second Language) Modern Prose, Compositions & History of Arabic Literature	3	3	3	15	35	50
10		VI	G.E. - II.	2	2	2	-	50	50

AECC- Ability Enhancement Compulsory Course
SECC – Skill Enhancement Compulsory Course
IDE – Inter Disciplinary Course
G.E.- Generic Elective

Maya

Head of the Department

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B.COM (General)
CBCS COURSE STRUCTURE
w.e.f. 2019-2022 Batch

Sl.No.	Code	Course Title	Sem Exam	IA	Total	THPW	Credits
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
FIRST YEAR: SEMESTER-I (Syllabus Approved in the year (2019-20))							
1.	ELS1	English (First Language)	80	20	100	4 hrs	4
2.	SLS1	Second Language (HUTA)	35	15	50	4 hrs	4
3.	AECC-1	a) Environmental Science – (OR) b) Basic Computer Skills	50	-	50	2 hrs	2
4.	DSC101	Financial Accounting-I	35	15	50	5 hrs	5
5.	DSC102	Business Organization and Management	35	15	50	5 hrs	5
6.	DSC103	Foreign Trade	35	15	50	5 hrs	5
		Total				25	25
SEMESTER-II:							
7.	ELS2	English (First Language)	35	15	50	4 hrs	4
8.	SLS2	Second Language(HUTA)	35	15	50	4 hrs	4
9.	AECC-2	a) Basic Computer Skills – (OR) b) Environmental Science	50	-	50	2 hrs	2
10.	DSC201	Financial Accounting-II	35	15	50	5 hrs	5
11.	DSC202	Business Laws	35	15	50	5 hrs	5
12.	DSC203	Banking and Financial Services	35	15	50	5 hrs	5
		Total				25	25
SECOND YEAR: SEMESTER-III (Syllabus Approved in the year(20-2021)							
13.	ELS3	English (First Language)	35	15	50	3 hrs	3
14.	SLS3	Second Language(HUTA)	35	15	50	3 hrs	3
15.	SEC-1	a) Principles of Insurance - (OR) b) Foundation of Digital Marketing-(OR) c) Fundamentals of Business Analytics	50	-	50	2 hrs	2
16.	SEC-2	a) Practice of Life Insurance –(OR) b) Web Design & Analytics-(OR) c) Application of Business Analytics	50	-	50	2 hrs	2
17.	DSC301	Advanced Accounting	35	15	50	5 hrs	5
18.	DSC302	Business Statistics-I	35	15	50	5 hrs	5
19.	DSC303	Financial Institutions and Markets	35	15	50	5 hrs	5
		Total				25	25
SEMESTER - IV							
20.	ELS4	English (First Language)	35	15	50	3 hrs	3
21.	SLS4	Second Language(HUTA)	35	15	50	3 hrs	3
22.	SEC-3	a) Practice of General Insurance- (OR) b) Social Media Marketing –(OR) c) Business Intelligence	50	-	50	2 hrs	2
23.	SEC-4	a)Regulation of Insurance Business -(OR) b)Search Engine Optimization & Online Advertising -(OR) c)Data Visualization &Storytelling	50	-	50	2 hrs	2
24.	DSC401	Income Tax	35	15	50	5 hrs	5
25.	DSC402	Business Statistics-II	35	15	50	5 hrs	5
26.	DSC403	Corporate Accounting	35	15	50	5 hrs	5
		Total				25	25

Website: www.anwarulloom.in

Commerce Blog: www.auccommerceblog.wordpress.com

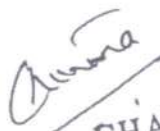
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THIRD YEAR: SEMESTER-V (2021-2022)							
27.	ELS5	English (First Language)	35	15	50	3hrs	3
28.	SL55	Second Language(HUTA)	35	15	50	3 hrs	3
29.	GE	Business Economics	50	-	50	4 hrs	4
30.	DSE501	a) Cost Accounting – (OR) b) Financial Planning & Performance- (OR) c) International Financial Reporting-I	35	15	50	5 hrs	5
31.	DSE502	a) Computerized Accounting-(OR) *(35M + 15P = 50: 5 Credits)	50	35P+15IA/ 20	50	3T+4P /5 hrs	5
		b) Financial Decision Making-I -(OR) (35M + 15IA = 50: 5 Credits)					
		c) International Tax & Regulation (35M + 15IA = 50: 5 Credits)					
32.	DSE503	a) Auditing-(OR) b) Advanced Corporate Accounting-(OR) c) Financial Management	35	15	50	5 hrs	5
Total						25	25
SEMESTER – VI							
33.	ELS6	English (First Language)	35	15	50	3 hrs	3
34.	SL56	Second Language(HUTA)	35	15	50	3 hrs	3
35.	Project Report	Research Methodology and Project Report	35R	15 VIVA	50	2T+4R	4
36.	DSE601	a) Cost Control and Management Accounting-(OR) b) Financial control-(OR) c) International Financial Reporting-II	35	15	50	5hrs	5
37.	DSE602	a) Theory and Practice of GST-(OR) * (35M + 15P = 50: 5 Credits)	35	15P*/15IA	50	3T+4P/ 5 hrs	5
		b) Financial Decision Making-II -(OR) (35M + 15IA = 50: 5 Credits)					
		c) International Auditing (35M + 15IA = 50: 5 Credits)					
38.	DSE603	a) Accounting Standards-(OR) b) Corporate Governance-(OR) c) Investment Management	35	15	50	5 hrs	5
Total						25	25
GRAND TOTAL						150	150


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ELS: English Language Skill; SLS: Second Language Skill; HUTA: Hindi, Urdu, Telugu, Arabic AECC: Ability Enhancement Compulsory Course; SEC: Skill Enhancement Course; DSC: Discipline Specific Course; DSE: Discipline Specific Elective; GE: Generic Elective; THPW: Teaching hours per week; T: Theory; P: Practical (Two practical classes are considered as One hour of classroom teaching ; IA: Internal Assessment; : PR: Project Report; R: Record; VV: Viva- Voce Examination.

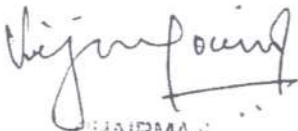
Note: *If a student opts for "a" in III semester, He/She has to opt for "a" in the following semester too (IV Semester)

- The application of rule is same in case of SEC "b" and "c" too.
- When a student opt for DSE cases the rule stands the same in its application.

SUMMARY OF CREDITS

Sl. No. (1)	Course Category (2)	No. of Courses (3)	Credits Per Course (4)	Credits (5) (3) x (4)=(5)
1	English Language	6	4/3	20
2	Second Language	6	4/3	20
3	AECC	2	2	4
4	SEC	4	2	8
5	GE	1	4	4
6	Project Report	1	4	4
7	DSC	12	5	60
8	DSE	6	5	30
	TOTAL	38		150
	Commerce Subjects	24		110
CREDITS UNDER NON-CGPA		NSS/NCC/Sports/Extra Curricular	Up to 6 (2 in each year)	
		Summer Internship	Up to 4 (2 in each after I & II years)	


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**B.COM (Comp Appl)
CBCS COURSE STRUCTURE
w.e.f. 2019-2022 Batch**

Sl.No.	Code	Course Title	Sem Exam	IA	Total	THPW	Credits
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
FIRST YEAR: SEMESTER – I (Syllabus Approved in the year 2019-20)							
1.	ELS1	English (First Language)	35	15	50	4 hrs	4
2.	SLS1	Second Language (HUTA)	35	15	50	4 hrs	4
3.	AECC-1	a) Environmental Science- (OR) b) Basic Computer Skills	50	-	50	2 hrs	2
4.	DSC101	Financial Accounting-I	35	15	50	5 hrs	5
5.	DSC102	Business Organization and Management	35	15	50	5 hrs	5
6.	DSC103	Fundamentals of Information Technology	35	15P*	50	3T+ 4P	5
		Total				25	25
SEMESTER – II							
7.	ELS2	English (First Language)	35	15	50	4 hrs	4
8.	SLS2	Second Language(HUTA)	35	15	50	4 hrs	4
9.	AECC-2	a) Basic Computer Skills- (OR) b) Environmental Science	50	-	50	2 hrs	2
10.	DSC201	Financial Accounting-II	35	15	50	5 hrs	5
11.	DSC202	Business Laws	35	15	50	5 hrs	5
12.	DSC203	Object Oriented Programming using JAVA	35	15P*	50	3T+ 4P	5
		Total				25	25
SECOND YEAR: SEMESTER – III (Syllabus Approved in the year 2020-21)							
13.	ELS3	English (First Language)	35	15	50	3 hrs	3
14.	SLS3	Second Language (HUTA)	35	15	50	3 hrs	3
15.	SEC-1	a) Principles of Insurance-(OR) b) Foundation of Digital Marketing-(OR) c) Fundamentals of Business Analytics	50	-	50	2 hrs	2
16.	SEC-2	a) Practice of Life Insurance-(OR) b) Web Design & Analytics-(OR) c) Application of Business Analytics	50	-	50	2 hrs	2
17.	DSC301	Advanced Accounting	35	15	50	5 hrs	5
18.	DSC302	Business Statistics-I	35	15	50	5 hrs	5
19.	DSC303	Relational Database Management System	35	15P*	50	3T+4P	5
		Total				25	25
SEMESTER – IV							
20.	ELS4	English (First Language)	35	15	50	3 hrs	3
21.	SLS4	Second Language (HUTA)	35	15	50	3 hrs	3
22.	SEC-3	a) Practice of General Insurance- (OR) b) Social Media Marketing- (OR) c) Business Intelligence	50	-	50	2 hrs	2
23.	SEC-4	a) Regulation of Insurance Business- (OR) b) Search Engine Optimization & Online Advertising- (OR) c) Data Visualisation & Storytelling	50	-	50	2 hrs	2
24.	DSC401	Income Tax	35	15	50	5 hrs	5
25.	DSC402	Business Statistics-II	35	15	50	5 hrs	5
26.	DSC403	Web Technologies	35	15P*	50	3T+4P	5

Vijay Kumar
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8

Alina


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		Total				25	25
THIRD YEAR: SEMESTER – V-(2021-22)							
27.	EL55	English (First Language)	35	15	50	3hrs	3
28.	SLS5	Second Language(HUTA)	35	15	50	3hrs	3
29.	GE	Business Economics	50	-	50	4hrs	4
30.	DSE501	a) Cost Accounting- (OR) b) Financial Planning & Performance- (OR) c) International Financial Reporting-I	35	15	50	5hrs	5
31.	DSE502	a) Computerized Accounting-(OR) *(35M + 15P = 50: 5 Credits)	35	15P*/15IA	50	3T+4P/ 5hrs	5
		b) Financial Decision Making-I -(OR) (35M + 15IA = 50: 5 Credits)					
		c) International Tax & Regulation (35M + 15IA = 50: 5 Credits)					
32.	DSE503	a) Management Information Systems -(OR) b) Ecommerce-(OR) c) Mobile Applications	35	15P*	50	3T+4P	5
		Total				25	25
SEMESTER – VI							
33.	ELS6	English (First Language)	35	15	50	3 hrs	3
34.	SLS6	Second Language(HUTA)	35	15	50	3 hrs	3
35.	Project Report	Research Methodology and Project Report	35R	15 VIVA	50	2T+4R	4
36.	DSE601	a) Cost Control and Management Accounting-(OR) b) Financial control-(OR) c) International Financial Reporting-II	35	15	50	5 hrs	5
37.	DSE602	a) Theory and Practice of GST-(OR) *(35M + 15P = 50: 5 Credits)	35	15P*/15IA	50	3T+4P/ 5hrs	5
		b) Financial Decision Making-II -(OR) (35M + 15IA = 50: 5 Credits)					
		c) International Auditing (35M + 15IA = 50: 5 Credits)					
38.	DSE603	a) Multimedia Systems-(OR) b) Cyber Security-(OR) c) Data Analytics	35	15P*	50	5hrs	5
		Total				25	25
		GRAND TOTAL				150	150

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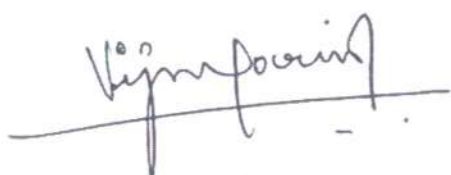
ELS: English Language Skill : Second Language Skill; HUTA


AECC Ability Enhancement compulsory course; SEC: Skill Enhancement Course; DSC: Discipline Specific Course; DSE: Discipline Specific Elective; GE: Generic Elective; Teaching hours per week; T: Theory; P: Practical (Two practical classes are considered as One hour of classroom teaching); IA: Internal Assessment; PR: Project Report; R: Record; VV: Viva-Voce Examination;

Note: *If a student opts for 'a' in III semester, He/She has to opt for "a" in the following semester too (IV Semester)

- The application of rule is same in case of SEC "b" and "c" too.
- When a student opt for DSE cases the rule stands the same in its application.

Sl. No. (1)	Course Category (2)	No. of Courses (3)	Credits Per Course (4)	Credits (5)
				(3)x(4) = (5)
1	English Language	6	4/3	20
2	Second Language	6	4/3	20
3	AECC	2	2	4
4	SEC	4	2	8
5	GE	1	4	4
6	Project Report	1	4	4
7	DSC	12	5	60
8	DSE	6	5	30
	TOTAL	38		150
	Commerce Subjects	26		110
CREDITS UNDER NON-CGPA		NSS/NCC/Sports/Extra Curricular	Up to 6 (2 in each year)	
		Summer Internship	Up to 4 (2 in each after I & II years)	


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B.COM (Foreign Trade)
CBCS COURSE STRUCTURE
w.e.f. 2019-2022 Batch

Sl.No	Code	Course Title	Sem Exam	IA	Total	THPW	Credits
(1)	(2)	(3)	(4)	(5)	(7)	(6)	(8)
FIRST YEAR: SEMESTER – I (Syllabus Approved in the year 2019-20)							
1.	ELS1	English (First Language)	35	15	50	4 hrs	4
2.	SLS1	Second Language(HUTA)	35	15	50	4 hrs	4
3.	AECC-1	a) Environmental Science-(OR) b) Basic Computer Skills	50	-	50	2 hrs	2
4.	DSC101	Financial Accounting-I	35	15	50	5 hrs	5
5.	DSC102	Business Organization and Management	35	15	50	5 hrs	5
6.	DSC103	Introduction to International Business	35	15	50	5 hrs	5
		Total				25	25
SEMESTER – II							
7.	ELS2	English (First Language)	35	15	50	4 hrs	4
8.	SLS2	Second Language(HUTA)	35	15	50	4 hrs	4
9.	AECC-2	a) Basic Computer Skills-(OR) b) Environmental Science	50	-	50	2 hrs	2
10.	DSC201	Financial Accounting-II	35	15	50	5 hrs	5
11.	DSC202	Business Laws	35	15	50	5 hrs	5
12.	DSC203	Export Marketing	35	15	50	5 hrs	5
		Total				25	25
SECOND YEAR: SEMESTER – III- (Syllabus Approved in the year 2020 - 21)							
13.	ELS3	English (First Language)	35	15	50	3 hrs	3
14.	SLS3	Second Language(HUTA)	35	15	50	3 hrs	3
15.	SEC-1	a) Principles of Insurance-(OR) b) Foundation of Digital Marketing-(OR) c) Fundamentals of Business Analytics	50	-	50	2 hrs	2
16.	SEC-2	a) Practice of Life Insurance-(OR) b) Web Design & Analytics-(OR) c) Application of Business Analytics	50	-	50	2 hrs	2
17.	DSC301	Advanced Accounting	35	15	50	5 hrs	5
18.	DSC302	Business Statistics-I	35	15	50	5 hrs	5
19.	DSC303	International Business Procedures & Documentation	35	15	50	5 hrs	5
		Total				25	25
SEMESTER – IV							
20.	ELS4	English (First Language)	35	15	50	3 hrs	3
21.	SLS4	Second Language(HUTA)	35	15	50	3 hrs	3
22.	SEC-3	a) Practice of General Insurance-(OR) b) Social Media Marketing-(OR) c) Business Intelligence	50	-	50	2 hrs	2
23.	SEC-4	a) Regulation of Insurance Business-(OR) b) Search Engine Optimization & Online Advertising-(OR) c) Data Visualisation & Storytelling	50	-	50	2 hrs	2
24.	DSC401	Income Tax	35	15	50	5 hrs	5
25.	DSC402	Business Statistics-II	35	15	50	5 hrs	5
26.	DSC403	Corporate Accounting	35	15	50	5 hrs	5
		Total				25	25

Vejnepoind
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Albana
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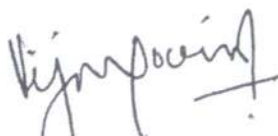
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THIRD YEAR: SEMESTER V- (2021-2022)

27.	ELS5	English (First Language)	35	15	50	3 hrs	3
28.	SLS5	Second Language(HUTA)	35	15	50	3 hrs	3
29.	GE	a) Business Economics	50	-	50	4 hrs	4
30.	DSE501	a) Cost Accounting- (OR) b) Financial Planning & Performance-(OR) c) International Financial Reporting-I	35	15	50	5 hrs	5
31.	DSE502	a) Computerized Accounting- (OR) *(35M + 15P = 50: 5 Credits) b) Financial Decision Making-I- (OR) (35M + 15IA = 50: 5 Credits) c) International Tax & Regulation (35M + 15IA = 50: 5 Credits)	35	15P* /15IA	50	3T+4P/5 hrs	5
32.	DSE503	a) Logistics Management- (OR) b) Advanced Corporate Accounting- (OR) c) Financial Management	35	15	50	5	5
		TOTAL				25	25

SEMESTER – VI


33.	ELS6	English (First Language)	35	15	50	3 hrs	3
34.	SLS6	Second Language(HUTA)	35	15	50	3 hrs	3
35.	Project Report	Research Methodology and Project Report	35R	15 VIVA	50	2T+4R	4 credits
36.	DSE601	a) Cost Control and Management Accounting-(OR) b) Financial control-(OR) c)International Financial Reporting-II	35	15	50	5 hrs	5
37.	DSE602	a) Theory and Practice of GST- (OR) *(35M + 15P = 50: 5 Credits) b) Financial Decision Making-II - (OR) (35M + 15IA = 50: 5 Credits) c) International Auditing (35M + 15IA = 50: 5 Credits)	35	15P*/ 15IA	3 hrs	3T+4P/5 hrs	5
38.	DSE603	a) Cross-Cultural Consumer and Industrial Buyer Behaviour- (OR) b) Corporate Governance-(OR) c) Investment management	35	15	50	5 hrs	5
		Total				25	25
		GRAND TOTAL				150	150



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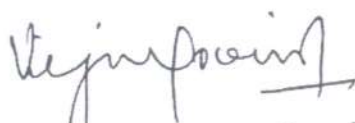
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AECC: Ability Enhancement Compulsory Course; SEC: Skill Enhancement Course; DSC: Discipline Specific Course; DSE: Discipline Specific Elective; GE: Generic Elective; THPW: Teaching hours per week; T: Theory; P: Practical (Two practical classes are considered as One hour of classroom teaching); IA: Internal Assessment


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Note: *If a student opts for 'a' in III semester, He/She has to opt for "a" in the following semester too (IV Semester)

- The application of rule is same in case of SEC "b" and "c" too.
- When a student opt for DSE cases the rule stands the same in its application.

Sl. No. (1)	Course Category (2)	No. of Courses (3)	Credits Per Course (4)	Credits (5)
				(3)x(4) = (5)
1	English Language	6	4/3	20
2	Second Language	6	4/3	20
3	AECC	2	2	4
4	SEC	4	2	8
5	GE	1	4	4
6	Project Report	1	4	4
7	DSC	12	5	60
8	DSE	6	5	30
	TOTAL	38		150
	Commerce Subjects	26		110
CREDITS UNDER NON-CGPA		NSS/NCC/Sports/ Extra Curricular	Up to 6 (2 in each year)	
		Summer Internship	Up to 4 (2 in each after I & II years)	

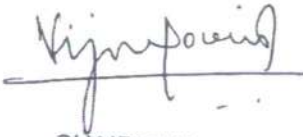

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Hyderabad - 500 007. (T.S.)

B.COM (Advertising & Sales Management) CBCS COURSE STRUCTURE w.e.f.2019-22 Batch							
Sl.No.	Code	Course Title	Sem Exam	IA	Total	THPW	Credits
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
FIRST YEAR: SEMESTER – I (Syllabus Approved in the year 2019-20)							
1.	ELS1	English (First Language)	35	15	50	4 hrs	4
2.	SLS1	Second Language (HUTA)	35	15	50	4 hrs	4
3.	AECC1	a) Environmental Science-(OR) b) Basic Computer Skills	50	-	50	2 hrs	2
4.	DSC101	Financial Accounting-I	35	15	50	5 hrs	5
5.	DSC102	Business Organization and Management	35	15	50	5 hrs	5
6.	DSC103	Marketing Management	35	15	50	5 hrs	5
		Total				25	25
SEMESTER – II							
7.	ELS2	English (First Language)	35	15	50	4 hrs	4
8.	SLS2	Second Language (HUTA)	35	15	50	4 hrs	4
9.	AECC2	a) Basic Computer Skills-(OR) b) Environmental Science	50	-	50	2 hrs	2
10.	DSC201	Financial Accounting-II	35	15	50	5 hrs	5
11.	DSC202	Business Laws	35	15	50	5 hrs	5
12.	DSC203	Fundamentals of Advertising	35	15	50	5 hrs	5
		Total				25	25
SECOND YEAR: SEMESTER – III (Syllabus Approved in the year 2020-21)							
13.	ELS3	English (First Language)	35	15	50	3 hrs	3
14.	SLS3	Second Language (HUTA)	35	15	50	3 hrs	3
15.	SEC1	a) Principles of Insurance-(OR) b) Foundation of Digital Marketing-(OR) c) Fundamentals of Business Analytics	50	-	50	2 hrs	2
16.	SEC2	a) Practice of Life Insurance-(OR) b) Web Design & Analytics-(OR) c) Application of Business Analytics	50	-	50	2 hrs	2
17.	DSC301	Advanced Accounting	35	15	50	5 hrs	5
18.	DSC302	Business Statistics-I	35	15	50	5 hrs	5
19.	DSC303	Media Management	35	15	50	5 hrs	5
		Total				25	25
SEMESTER – IV							
20.	ELS4	English (First Language)	35	15	50	3 hrs	3
21.	SLS4	Second Language (HUTA)	35	15	50	3 hrs	3
22.	SEC3	a) Practice of General Insurance-(OR) b) Social Media Marketing-(OR) c) Business Intelligence	50	-	50	2 hrs	2
23.	SEC4	a) Regulation of Insurance Business-(OR) b) Search Engine Optimization & Online Advertising -(OR) c) Data Visualisation & Storytelling	50	-	50	2 hrs	2
24.	DSC401	Income Tax	35	15	50	5 hrs	5
25.	DSC402	Business Statistics-II	35	15	50	5 hrs	5
26.	DSC403	Marketing Research	35	15	50	5 hrs	5
		Total				25	25

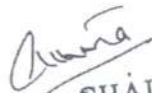
SEMESTER – V 2021-22

27.	ELS5	English (First Language)	35	15	50	3 hrs	3
28.	SLS5	Second Language (HUTA)	35	15	50	3 hrs	3
29.	GE	Business Economics	50	-	50	4 hrs	4
30.	DSE501	a) Cost Accounting-(OR) b) Financial Planning & Performance-(OR) c) International Financial Reporting-I	35	15	50	5 hrs	5
31.	DSE502	a) Computerized Accounting-(OR) *(35M + 15P = 50: 5 Credits) b) Financial Decision Making-I-(OR) (35M + 15IA = 50: 5 Credits) c) International Tax & Regulation (35M + 15IA = 50: 5 Credits)	35	15P*/15IA	50	3T+4P/ 5 hrs	5
32.	DSE503	a) International Advertising-(OR) b) Advanced Corporate Accounting-(OR) c) Financial Management	35	15	50	5 hrs	5
		Total				25	25
		SEMESTER – VI					
33.	ELS6	English (First Language)	35	15	50	3 hrs	3
34.	SLS6	Second Language (HUTA)	35	15	50	3 hrs	3
35.	PR	Research Methodology and Project Report	35R	15VV	50	2T+4R	4
36.	DSE601	a) Cost Control and Management Accounting-(OR) b) Financial control-(OR) c) International Financial Reporting-II	35	15	50	5 hrs	5
37.	DSE602	a) Theory and Practice of GST-(OR) *(35M + 15P = 50: 5 Credits) b) Financial Decision Making-II -(OR) (35M + 15IA = 50: 5 Credits) c) International Auditing (35M + 15IA = 50: 5 Credits)	35	15P*/ 15IA	50	3T+4P/ 5 hrs	5
38.	DSE603	a) Brand Management-(OR) b) Corporate Governancc-(OR) c) Investment management	35	15	50	5 hrs	5
		Total				25	25
		GRAND TOTAL				150	150



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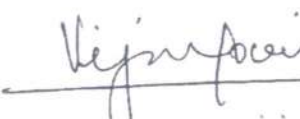
ELS: English Language Skill; SLS: Second Language Skill; HUTA: Hindi, Urdu, Telugu, Arabic
AECC: Ability Enhancement Compulsory Course; SEC: Skill Enhancement Course; DSC: Discipline Specific Course; DSE: Discipline Specific Elective; GE: Generic Elective; THPW: Teaching hours per week; T: Theory; P: Practical (Two practical classes are considered as One hour of classroom teaching); IA: Internal Assessment

PR: Project Report; R: Record; VV: Viva-Voce Examination.


Note: *If a student opts for 'a' in III semester, He/She has to opt for "a" in the following semester too (IV Semester)

- The application of rule is same in case of SEC "b" and "c" too.
- When a student opt for DSE cases the rule stands the same in its application.

Sl. No. (1)	Course Category (2)	No. of Courses (3)	Credits Per Course (4)	Credits (5)
				(3)x(4) = (5)
1	English Language	6	4/3	20
2	Second Language	6	4/3	20
3	AECC	2	2	4
4	SEC	4	2	8
5	GE	1	4	4
6	Project Report	1	4	4
7	DSC	12	5	60
8	DSE	6	5	30
	TOTAL	38		150
	Commerce Subjects	24		106
CREDITS UNDER NON-CGPA		NSS/NCC/Sports/Extra Curricular	Up to 6 (2 in each year)	
		Summer Internship	Up to 4 (2 in each after I & II years)	


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B.COM (Tax Procedures)
CBCS COURSE STRUCTURE
w.e.f. 2019-2022 Batch

Sl.No.	Code	Course Title	Sem Exam	IA	Total	THPW	Credits
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
FIRST YEAR: SEMESTER – I (Syllabus Approved in the year 2019-20)							
1.	ELS1	English (First Language)	35	15	50	4 hrs	4
2.	SLS1	Second Language (HUTA)	35	15	50	4 hrs	4
3.	AECC1	a) Environmental Science-(OR) b) Basic Computer Skills	50	-	50	2 hrs	2
4.	DSC101	Financial Accounting-I	35	15	50	5 hrs	5
5.	DSC102	Business Organization and Management	35	15	50	5 hrs	5
6.	DSC103	Income Tax – I	35	15	50	5 hrs	5
		Total				25	25
SEMESTER – II							
7.	ELS2	English (First Language)	35	15	50	4 hrs	4
8.	SLS2	Second Language (HUTA)	35	15	50	4 hrs	4
9.	AECC2	a) Basic Computer Skills-(OR) b) Environmental Science	50	-	50	2 hrs	2
10.	DSC201	Financial Accounting-II	35	15	50	5 hrs	5
11.	DSC202	Business Laws	35	15	50	5 hrs	5
12.	DSC203	Income Tax – II	35	15	50	5 hrs	5
		Total				25	25
SECOND YEAR: SEMESTER – III- (2020-21)							
13.	ELS3	English (First Language)	35	15	50	3 hrs	3
14.	SLS3	Second Language (HUTA)	35	15	50	3 hrs	3
15.	SEC1	a) Principles of Insurance-(OR) b) Foundation of Digital Marketing-(OR) c) Fundamentals of Business Analytics	50	-	50	2 hrs	2
16.	SEC2	a) Practice of Life Insurance-(OR) b) Web Design & Analytics-(OR) c) Application of Business Analytics	50	-	50	2 hrs	2
17.	DSC301	Advanced Accounting	35	15	50	5 hrs	5
18.	DSC302	Business Statistics-I	35	15	50	5 hrs	5
19.	DSC303	Assessment of Other Entities	35	15	50	5 hrs	5
		Total				25	25
SEMESTER – IV							
20.	ELS4	English (First Language)	35	15	50	3 hrs	3
21.	SLS4	Second Language (HUTA)	35	15	50	3 hrs	3
22.	SEC3	a) Practice of General Insurance-(OR) b) Social Media Marketing-(OR) c) Business Intelligence	50	-	50	2 hrs	2
23.	SEC4	a) Regulation of Insurance Business-(OR) b) Search Engine Optimization & Online Advertising-(OR) c) Data Visualisation & Storytelling	50	-	50	2 hrs	2
24.	DSC401	Excel Foundation	35	15	50	5 hrs	5
25.	DSC402	Business Statistics-II	35	15	50	5 hrs	5
26.	DSC403	Customs Procedure & Practice	35	15	50	5 hrs	5
		Total				25	25

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HYDERABAD-500 001 (I.S.)

THIRD YEAR : SEMESTER – V(2021-2022)

27.	ELS5	English (First Language)	35	15	50	3 hrs	3
28.	SLS5	Second Language (HUTA)	35	15	50	3 hrs	3
29.	GE	a) Business Economics	50	-	50	4 hrs	4
30.	DSE501	a) Cost Accounting-(OR) b) Financial Planning & Performance-(OR) c) International Financial Reporting-I	35	15	50	5 hrs	5
31.	DSE502	a) Computerized Accounting-(OR) *(35M + 15P = 50: 5 Credits)	35	15P*/15IA	50	3T+4P*/ 5 hrs	5
		b) Financial Decision Making-I-(OR) (35M + 15IA = 50: 5 Credits)					
		c) International Tax & Regulation (35M + 15IA = 50: 5 Credits)					
32.	DSE503	a) Tax Planning & Management-(OR) b) Advanced Corporate Accounting-(OR) c) Financial Management	35	15	50	5 hrs	5
Total						25	25

SEMESTER – VI

33.	ELS6	English (First Language)	35	15	50	3 hrs	3
34.	SLS6	Second Language (HUTA)	35	15	50	3 hrs	3
35.	Project Report	Research Methodology and Project Report	35R	15VIVA	50	2T+4R	4
36.	DSE601	a) Cost Control and Management Accounting-(OR) b) Financial control-(OR) c) International Financial Reporting-II	35	15	50	5 hrs	5
37.	DSE602	a) Theory and Practice of GST-(OR) *(35M + 15P = 50: 5 Credits)	35	15P*/15IA	50	3T+4P/ 5 hrs	5
		b) Financial Decision Making-II -(OR) (35M + 15IA = 50: 5 Credits)					
		c) International Auditing (35M + 15IA = 50: 5 Credits)					
38.	DSE603	a) International Tax & Regulation-(OR) b) Corporate Governance-(OR) c) Investment Management	35	15	50	5 hrs	5
Total						25	25
GRAND TOTAL						150	150

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NOTE:

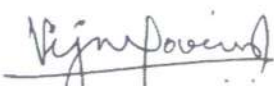
ELS: English Language Skill : Second Language Skill; **HUTA:** Hindi, Urdu, Telugu, Arabic bility
Enhancement compulsory course; **SEC:** Skill Enhancement Course; **DSC:** Discipline Specific Course;
DSE: Discipline Specific Elective; **GE:** Generic Elective;

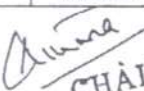
THPW: Teaching hours per week: **T:** Theory; **P:** Practical (Two practical classes are considered as One hour of classroom teaching); **I:** Internal Assessment : **PR:** Project Report; **R:** Record;
VV: Viva-Voce Examination.

Note: *If a student opts for 'a' in III semester, He/She has to opt for "a" in the following semester too (IV Semester)

- The application of rule is same in case of SEC "b" and "c" too.
- When a student opt for DSE cases the rule stands the same in its application.

Sl. No. (1)	Course Category (2)	No. of Courses (3)	Credits Per Course (4)	Credits (5)
				(3)x(4) = (5)
1	English Language	6	4/3	20
2	Second Language	6	4/3	20
3	AECC	2	2	4
4	SEC	4	2	8
5	GE	1	4	4
6	Project Report	1	4	4
7	DSC	12	5	60
8	DSE	6	5	30
	TOTAL	38		150
	Commerce Subjects	26		110
CREDITS UNDER NON-CGPA		NSS/NCC/Sports /Extra Curricular	Up to 6 (2 in each year)	
		Summer Internship	Up to 4 (2 in each after I & II years)	


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**B.COM (E-Commerce)
CBCS COURSE STRUCTURE
w.e.f. 2019-2022 Batch**

SLNo.	Code	Course Title	Sem Exam	IA	Total	THPW	Credits
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
FIRST YEAR: SEMESTER-I (Syllabus Approved in the year 2019-20)							
1.	ELS1	English (First Language)	35	15	50	4 hrs	4
2.	SLS1	Second Language(HUTA)	35	15	50	4 hrs	4
3.	AECC1	a) Environmental Science-(OR) b) Basic Computer Skills	50	-	50	2 hrs	2
4.	DSC101	Financial Accounting-I	35	15	50	5 hrs	5
5.	DSC102	Business Organization and Management	35	15	50	5 hrs	5
6.	DSC103	Fundamentals of Information Technology	35	15 P*	50	3T+4P/5Hrs	5
		Total				25	25
SEMESTER-II:							
7.	ELS2	English (First Language)	35	15	50	4 hrs	4
8.	SLS2	Second Language(HUTA)	35	15	50	4 hrs	4
9.	AECC2	a) Basic Computer Skills -(OR) b) Environmental Science	50	-	50	2 hrs	2
10.	DSC201	Financial Accounting-II	35	15	50	5 hrs	5
11.	DSC202	Business Laws	35	15	50	5 hrs	5
12.	DSC203	Relational Database Management systems	35	15 P*	50	3T+4P/5Hrs	5
		Total				25	25
SECOND YEAR : SEMESTER-III (Syllabus Approved in the year(2020-21)							
13.	ELS3	English (First Language)	35	15	50	3 hrs	3
14.	SLS3	Second Language(HUTA)	35	15	50	3 hrs	3
15.	SEC1	a) Principles of Insurance-(OR) b) Foundation of Digital Marketing-(OR) c) Fundamentals of Business Analytics	50	-	50	2 hrs	2
16.	SEC2	a) Practice of Life Insurance-(OR) b) Web Design & Analytics-(OR) c) Application of Business Analytics	50	-	50	2 hrs	2
17.	DSC301	Advanced Accounting	35	15	50	5 hrs	5
18.	DSC302	Business Statistics-I	35	15	50	5 hrs	5
19.	DSC303	Programming with C	35	15P*	50	3T+4P/5Hrs	5
		Total				25	25
SEMESTER - IV							
20.	ELS4	English (First Language)	35	15	50	3 hrs	3
21.	SLS4	Second Language(HUTA)	35	15	50	3 hrs	3
22.	SEC3	a) Practice of General Insurance-(OR) b) Social Media Marketing-(OR) c) Business Intelligence	50	-	50	2 hrs	2
23.	SEC4	a) Regulation of Insurance Business-(OR) b) Search Engine Optimization & Online Advertising -(OR) c) Data Visualization & Storytelling	50	-	50	2 hrs	2
24.	DSC401	Income Tax	35	15	50	5 hrs	5
25.	DSC402	Business Statistics-II	35	15	50	5 hrs	5
26.	DSC403	Object Oriented Programming with C++	35	15P*	50	3T+4P/5Hrs	5
		Total				25	25

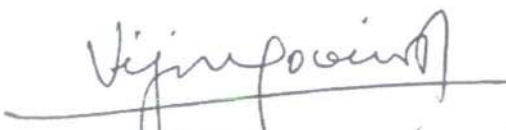
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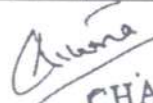
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THIRD YEAR: SEMESTER-V: (2021-2022)							
27.	ELS5	English (First Language)	35	15	50	3hrs	3
28.	SLS5	Second Language(HUTA)	35	15	50	3 hrs	3
29.	GE	a) Business Economics	50	-	50	4 hrs	4
30.	DSE501	a) Cost Accounting-(OR) b) Financial Planning & Performance-(OR) c) International Financial Reporting-I	35	15	50	5 hrs	5
31.	DSE502	a) Computerized Accounting-(OR) *(35M + 15P = 50: 5 Credits) b) Financial Decision Making-I-(OR) (35M + 15IA = 50: 5 Credits) c) International Tax & Regulation (35M + 15IA = 50: 5 Credits)	35	15P*/ 15IA	50	3T+4P/ 5Hrs	5
32.	DSE503	a) Fundamentals of E Commerce-(OR) *(35M + 15P = 50: 5 Credits) b) Advanced Corporate Accounting-(OR) (35M + 15IA = 50: 5 Credits) c) Financial Management (35M + 15IA = 50: 5 Credits)	35	15P*/ 15IA	50	3T+4P/ 5Hrs	5
		Total				25	25
SEMESTER – VI							
33.	ELS6	English (First Language)	35	15	50	3 hrs	3
34.	SLS6	Second Language(HUTA)	35	15	50	3 hrs	3
35.	PR	Research Methodology and Project Report	35R	15VIV A	50	2T+4R	4
36.	DSE601	a) Cost Control and Management Accounting-(OR) b) Financial control-(OR) c) International Financial Reporting-II	35	15	50	5hrs	5
37.	DSE602	a) Theory and Practice of GST-(OR) *(35M + 15P = 50: 5 Credits) b) Financial Decision Making-II -(OR) (35M + 15IA = 50: 5 Credits) c) International Auditing (35M + 15IA = 50: 5 Credits)	35	15P*/ 15IA	50	3T+4P/ 5Hrs	5
38.	DSE603	a) Business Data Analytics -(OR) *(35M + 15P = 50: 5 Credits) b) Corporate Governance-(OR) (35M + 15IA = 50: 5 Credits) c) Investment Management (35M + 15IA = 50: 5 Credit)	35	15P*/ 15IA	50	3T+4P/ 5Hrs	5
		Total	35	15	50	25	25
		GRAND TOTAL				150	150


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ELS: English Language Skill; SLS: Second Language Skill; HUTA: Hindi, Urdu, Telugu, Arabic; AECC: Ability Enhancement Compulsory Course; SEC: Skill Enhancement Course; DSC: Discipline Specific Course; DSE: Discipline Specific Elective; GE: Generic Elective; THPW: Teaching hours per week; T: Theory; P: Practical (Two practical classes are considered as One hour of classroom teaching); IA: Internal Assessment PR: Project Report; VV: Viva-Voce Examination; R:Record.

Note: *If a student opts for 'a' in III semester, He/She has to opt for "a" in the following semester too (IV Semester)

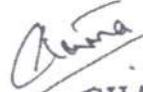
- The application of rule is same in case of SEC "b" and "c" too.
- When a student opt for DSE cases the rule stands the same in its application

SUMMARY OF CREDITS

Sl. No. (1)	Course Category (2)	No. of Courses (3)	Credits Per Course (4)	Credits (5)
				(3)x(4) = (5)
1	English Language	6	4/3	20
2	Second Language	6	4/3	20
3	AECC	2	2	4
4	SEC	4	2	8
5	GE	1	4	4
6	Project Report	1	4	4
7	DSC	12	5	60
8	DSE	6	5	30
	TOTAL	38		150
	Commerce Subjects	24		106
CREDITS UNDER NON-CGPA		NSS/NCC/Sports/ Extra Curricular	Up to 6 (2 in each year)	
		Summer Internship	Up to 4 (2 in each after I & II years)	


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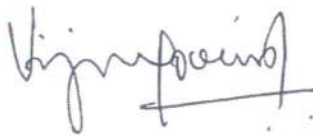

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M.COM

CBCS COURSE STRUCTURE

FIRST YEAR FIRST SEMESTER									
Sl. No.	Code	Title of the Paper	THP W	Credits	DESE	Marks			
						IA	A	ESE	Total
1.	Com 1 : Core - I	Managerial Economics	5	4	3 Hrs	15	5	80	100
2.	Com 2 : Core - II	Principles of Marketing	5	4	3 Hrs	15	5	80	100
3.	Com 3 : Core - III	OT & OB	5	4	3 Hrs	15	5	80	100
4.	Com 4 : Elective-I :	Financial Management	5	5	3 Hrs	15	5	80	100
5.	Com 5 : Elective-II :	Indian Accounting Standards	5	5	3 Hrs	15	5	80	100
	Seminar		2	1	-	-	-	25*	25
Total			27	23		75	25	425	525

FIRST YEAR SECOND SEMESTER									
Sl. No.	Code	Title of the Paper	THPW	Credits	DESE	Marks			
						IA	A	ESE	Total
6.	Com 6: Core - I	International Business and Business Environment	5	4	3 Hrs	15	5	80	100
7.	Com 7: Core -II	Marketing Management	5	4	3 Hrs	15	5	80	100
8.	Com 8: Core - III	Human Resource Management	5	4	3 Hrs	15	5	80	100
9.	Com 9: Elective-I:	Investment Management	5	5	3 Hrs	15	5	80	100
10.	Com 10: Elective-II:	Advanced Managerial Accounting	5	5	3 Hrs	15	5	80	100
	Seminar		2	1	-	-	-	25*	25
Total			27	23		75	25	425	525


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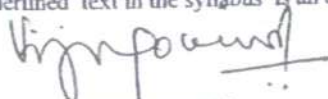
SECOND YEAR THIRD SEMESTER									
Sl. No.	Code	Title of the Paper	THPW	Credits	DESE	Marks			
						IA	A	ESE	Total
11	Com: 11 Core – I	Research Methodology & Statistical Analysis	5	4	3 Hrs	15	5	80	100
12	Com: 12 Core – II	E-Commerce	5 (4T+2P)	4	3 Hrs	-	40 LPE	60	100
13	Com: 13 Core – III	Cost Accounting and Control	5	4	3 Hrs	15	5	80	100
14	Com: 14 Elective-I:	International Financial Management	5	5	3 Hrs	15	5	80	100
15	Com: 15 Elective - II	Security Analysis and Portfolio Management	5	5	3 Hrs	15	5	80	100
	Seminar		2	1	-	-	-	25*	25
	Total		31	27	-	60	60	405	525


SECOND YEAR FOURTH SEMESTER									
Sl. No.	Code	Title of the Paper	THPW	Credits	DESE	Marks			
						IA	A	ESE	Total
16	Com:16 Core – I	Quantitative Techniques for Business Decisions	5	4	3 Hrs	15	5	80	100
17	Com:17 Core – II	Corporate Taxation and Planning	5	4	3 Hrs	15	5	80	100
18	Com:18 Core – III	Strategic Management	5	4	3 Hrs	15	5	80	100
19	Com:19 Elective-1:	Financial Services	5	5	3 Hrs	15	5	80	100
20	Com:20 Elective-II:	Financial Derivatives	5	5	3 Hrs	15	5	80	100
21	Com: 21	Project Work	8	4		-	-	50VV+ 50D	100
	Seminar		2	1		-	-	25*	25
	Total		35	27	-	75	25	525	625
	GRAND TOTAL		120	100	-	285	135	1980	2200

*25=15W+10PR

Inter Disciplinary (ID) Paper in Third Semester is offered to the Non-Commerce PG Students. THPW= Teaching Hours Per Week; ESED=End-Semester Examination Duration; VV=Viva-Voce; LPE=Lab Practical Examinations; D=Dissertation; T=Theory; P=Practical; W=Write-up; PR=Presentation; DESE = Duration of End-Semester Examination.

* The underlined text in the syllabus is an addition to the existing syllabus


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B.A. (ECONOMICS) IST YEAR


SEMESTER – I & II

(2021-2022)

COURSE STRUCTURE

CHOICE BASED CREDIT SYSTEM PATTERN

Code	Name Of the Paper	Hpw	Credit	Scheme Of Examination		
				IA Marks	External Marks	Total marks
SEMESTER - I						
BA103	Micro-Economics	5Hours	5	20	80	100
AECC-I						
AECC-1	Environmental studies	2hours	2	--	50	50
SEMESTER - II						
BA203	Macro Economics	5hours	5	20	80	100
AECC-II						
IAECC-II	Basic computer skills	2hrs	2	--	50	50


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B.A. (ECONOMICS) II year

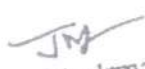
SEMESTER – III & IV

(2021-2022)


COURSE STRUCTURE

CHOICE BASED CREDIT SYSTEM PATTERN

Code	Name Of The Paper	HPW	Credit	Scheme Of Examination		
				IA Marks	External Marks	Total marks
SEMESTER -III						
BA303	Statistics for Economics	5hrs	5	15	35	50
SECC-I						
SECC-I UG 301	Money and Banking	2hrs	2	--	50	50
SECC-II						
SECC-II UG401	Environmental Economics	2hrs	2	--	50	50


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Code	Name Of The Paper	HPW	Credit	Scheme Of Examination		
				IA Marks	External Marks	Total marks
SEMESTER -IV						
BA403	Indian Economy	5hrs	5	15	35	50
SECC-III						
SECC-III UG 401	Industrial Economics	2hrs	2	--	50	50
SECC-IV						
SECC-IV UG402	Entrepreneurship and Development	2hrs	2	--	50	50


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B.A. (ECONOMICS) III year

SEMESTER – V & VI

(2021-2022)

COURSE STRUCTURE

CHOICE BASED CREDIT SYSTEM PATTERN

Code	Name Of The Paper	PPW	Credit	Scheme Of Examination		
				IA Marks	External Marks	Total marks
SEMESTER –V						
BA503	Development Economics	5hrs	5	15	35	50
SECC-III	Industrial Economics	2hrs	2		50	50
GENERAL ELECTIVE -I						
GE-502	Rural Development	2hrs	2		50	50
SEMESTER – VI						
BA603	International economics	5hrs	5	15	35	50
SECC-IV	Entrepreneurship And Development	2hrs	2		50	50
GENERAL ELECTIVE -II						
GE-602	Financial Economics	2hrs	2		50	50

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Faculty of Social Sciences

B.A (EPP) & (HPML) - Political Science -Course Structure

Choice Based Credit System Pattern

Approval Syllabus for the Academic Year 2020-21

Code	Name of the paper	Scheme of instruction/Hours per week	Credit	Scheme of Examination	
				Internal Assessment Marks	Semester Examination Marks
SEMESTER – I					
1119	Understanding political Theory	5 Hours	5	20	80
AECC-I PAPER FOR SEMESTER – I					
A1119	Environmental Studies	2 Hours	2		50
SEMESTER – II					
1219	Western political thoughts	5 Hours	5	20	80
AECC-II PAPER FOR SEMESTER – II					
11219	Basic Computer Skills	2 Hours	2		50

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Yasmin
29/6/2021
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Faculty of Social Sciences
B.A (EPP) & (HPML) - Political Science - Course Structure
Choice Based Credit System Pattern
Approval Syllabus for the Academic Year 2020-21

Code	Name of the paper	Scheme of instruction/Hours per week	Credit	Scheme of Examination	
				Internal Assessment Marks	Semester Examination Marks
SEMESTER – III					
1119	Indian Political Thought	5 Hours	5	15	35
SECC- I – SECC – II PAPER FOR SEMESTER - III					
A1119	Emancipation of women	2 Hours	2		50
11219	Caste System in India	2 Hours	2		50
SEMESTER – IV					
1219	Constitution and Politics of India	5 Hours	5	15	35
SECC-III – SECC – IV PAPER FOR SEMESTER – IV					
11219	Indian Freedom Movement	2 Hours	2		50
	India Constitution	2 Hours	2		50

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Faculty of Social Sciences Public Administration Course Structure Choice Based Credit System Pattern

Name of the paper	Scheme of instruction/Hours per week	Credit	Scheme of Examination	
			Internal Assessment Marks	Semester Examination Marks
Semester-I				
Basics of Public Administration-I	5 Hours	5	20	80
AECC-I Semester-I				
Environmental Studies	2 Hours	2	---	50
Semester-II				
Principles and Emerging Trends	5 Hours	5	20	80
AECC-II Semester-II				
Basic Computer Skills	2 Hours	2	---	50

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Faculty of Social Sciences
Public Administration
Course Structure
Choice Based Credit System Pattern

Name of the paper	Scheme of instruction/Hours per week	Credit	Scheme of Examination	
			Internal Assessment Marks	Semester Examination Marks
Semester-III				
Indian Administration-Union Government	5 Hours	5	15	35
SECC-I and SECC-II Semester-III				
Local Self Government	2 Hours	2	---	50
Public relations	2 Hours	2	---	50
Semester-IV				
Indian Administration-State Government	5 Hours	5	15	35
SECC-III and SECC-IV Semester-IV				
Development and local governance-rural governance	2 Hours	2	---	50
Development and local governance-urban governance	2 Hours	2	---	50

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**Faculty of Social Sciences
Public Administration
Course Structure
Choice Based Credit System Pattern
Semester V & VI**

Semester	Name of the Paper	Scheme of the Examination	
		Internal Assessment Marks	Semester Examination Marks
V	Human Resource Management	15	35
GE- I	Social Reforms, Movement In India	15	35
VI	Financial Management And Material Management	15	35
GE - II	Telangana Movement	15	35

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Faculty of Social Sciences

Department of History

B. A. (History, Political Science & Modern Language – Urdu)

B. A. 1st Year
(2021 – 22)

Choice Based Credit System Pattern (w.e.f. 2015 – 16)

(Approved Syllabus for the Academic Year 2021 – 22)

S. No.	Year	Sem.	Paper	Title	Code No.	Inter. Marks	Sem. Marks	Teaching hours	Credits
1	1 st Year	I	I	History of India (from earliest times to 700 CE)	1113	20	80	5 Hrs	5
2			AECC – I	Environmental Studies	–	–	50	2 Hrs	2
3	1 st Year	II	II	History of India (from 700 – 1526 CE)	1213	20	80	5 Hrs	5
4			AECC – II	Basic Computer Skills	–	–	50	2 Hrs	2

K. Adnan
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A. S. Khan

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Faculty of Social Sciences

Department of History

B. A. (History, Political Science & Modern Language – Urdu)

B. A. 2nd Year
(2021 – 22)

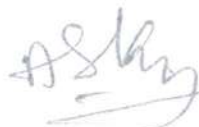
Choice Based Credit System Pattern (w.e.f. 2015 – 16)

(Approved Syllabus for the Academic Year 2021 – 22)

S. No.	Year	Sem.	Paper	Title	Code No.	Inter. Marks	Sem. Marks	Teaching hours	Credits
1	2 nd Year	III	III	History of India (from 1526 – 1857 CE)	1313	15	35	5 Hrs	5
2			SECC – I	History and Culture of Telangana – I (Up to 1724 CE)	–	–	50	2 Hrs	2
3			SECC – II	History and Culture of Telangana – I (from 1724 to 2014 CE)	–	–	50	2 Hrs	2
4	2 nd Year	IV	IV	History of India (from 1858 – 1964 CE)	1413	15	35	5 Hrs	5
5			SECC – III	Ancient Civilizations	–	–	50	2 Hrs	2
6			SECC – IV	Archives & Museums	–	–	50	2 Hrs	2


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Faculty of Social Sciences
B.A III Year (2020-21)
SEMESTER – V – IV
Course Structure
(Choice Based credit System)

Semester	Name of the Paper	Scheme of the Examination	
		Internal Assessment Marks	Semester Examination Marks
V (DSC)	Government and Politics In Telangana	15	35
GE-I	Reform Movements in India	-	50
VI (DSC)	Global Politics	15	35
GE-II	Women studies (An Introduction)	-	50

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Faculty of Social Sciences

Department of History

B. A. (History, Political Science & Modern Language – Urdu)

B. A. 3rd Year
(2021 – 22)

Choice Based Credit System Pattern (w.e.f. 2015 – 16)

(Approved Syllabus for the Academic Year 2021 – 22)

1	3 rd Year	V (2019 – 20)	V	History of Modern World (1453 - 1950 CE)	1513	15	35	5 Hrs	5
2			SECC – III	Ancient Civilizations					
3			GE – I	History of World Tourism	–	–	50	2 Hrs	2
4	3 rd Year	VI (2019 – 20)	VI	Islamic History & Culture (From earliest times to Crusades)	1513 A	15	35	5 Hrs	5
5			SECC – IV	Achieves & Museums					
6			GE – II	Indian National Movement (1857 – 1947 CE)	–	–	50	2 Hrs	24

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Department of History Paper Titles & Marks Details (2021 - 22)

(Course Structure & Scheme of Examinations)

S. No.	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
						Max.	Min.			
M. A. 1st Year, I – Semester (CBCS)										
1	I	211	History of India (from earliest times to 1206 CE)	5 Hrs	20	80	32	100	5	3 Hrs
2	II	212	History of Modern World (from 1453 – 1871 CE)	5 Hrs	20	80	32	100	5	3 Hrs
3	III	213	History & Culture of Telangana (from earliest times to 1724 CE)	5 Hrs	20	80	32	100	5	3 Hrs
4	IV	214 a	Ancient Civilization	5 Hrs	20	80	32	100	5	3 Hrs
		214 b	History of China (1879 to 1949 CE)							
5	V	215 a	Tourism & Culture	5 Hrs	20	80	32	100	5	3 Hrs
		215 b	History of U S A (1776 to 1945 CE)							
Total				25 Hrs				500	25	15 Hrs
M. A. 1st Year, II – Semester (CBCS)										
1	I	221	History of India (1206 - 1858 CE)	5 Hrs	20	80	32	100	5	3 Hrs
2	II	222	History of Modern World (from 1871 – 1964 CE)	5 Hrs	20	80	32	100	5	3 Hrs
3	III	223	History & Culture of Telangana (1724 to 2014 CE)	5 Hrs	20	80	32	100	5	3 Hrs
4	IV	224 a	Historiography & Historical Method (IV a)	5 Hrs	20	80	32	100	5	3 Hrs
		224 b	History of Russia (1861 – 1991 CE)							
5	V	225 a	Environmental History of Modern India	5 Hrs	20	80	32	100	5	3 Hrs
		225 b	History of Japan (1850 – 1945 CE)							
Total				25 Hrs				500	25	15 Hrs

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Dept. of History

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Department of History Paper Titles & Marks Details (2021 - 22)

(Course Structure & Scheme of Examinations)

S. No.	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
						Max.	Min.			
M. A. 2nd Year, III – Semester (CBCS)										
1	I	231	Social, Economic & Cultural History of Medieval India (1206 - 1707 CE)	5 Hrs	20	80	32	100	5	3 Hrs
2	II	232	Social, Economic & Cultural History of Modern India (1707 - 1947 CE)	5 Hrs	20	80	32	100	5	3 Hrs
3	III	233	History of Dalit Movement in India (1900 - 1947 AD)	5 Hrs	20	80	32	100	5	3 Hrs
4	IV	234 a	History of Science & Technology in Modern India (1800 - 1964 CE)	5 Hrs	20	80	32	100	5	3 Hrs
		234 b	Architecture in Deccan							
5	V	235	History of Contemporary India (1947 - 2000 C E)	5 Hrs	20	80	32	100	5	3 Hrs
		236	I D E Course: Cultural Heritage of India Part - A.	2 Hrs	—	50	20	50	2	2 Hrs
			Total	29 Hrs				550	27	
M. A. 2nd Year, IV – Semester (CBCS)										
1	I	241	National Movement in India (1858 - 1947 CE)	5 Hrs	20	80	32	100	5	3 Hrs
2	II	242	Buddhist Studies	5 Hrs	20	80	32	100	5	3 Hrs
3	III	243	Tribal & Peasant Movement in India (19 th & 20 th Centuries)	5 Hrs	20	80	32	100	5	3 Hrs
4	IV	244 a	Constitutional History of India (1773 - 1947 CE)	5 Hrs	20	80	32	100	5	3 Hrs
		244 b	Archives & Museums							
5	V	245	Women studies in Modern India	5 Hrs	20	80	32	100	5	3 Hrs
6		246	I D E Course: Cultural Heritage of India - Part B	2 Hrs	-	50	20	50	2	2 Hrs
			Total	27 Hrs				550	27	

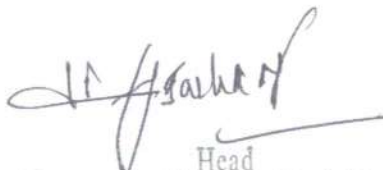
Total Credits: 100 & Total Marks: 2,000


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STRUCTURE OF B.B.A DEGREE COURSE w.e.f. ACADEMIC YEAR 2021 onwards								
FIRST YEAR:								
SEMESTER-I:								
Sl.No	Code	Course Title	Course Type	Sem Exam	TA	Total	THPW	Credits
1	ELS-I	English –I	CC-1	80	20	100	4Hrs	4
2	SLS-I	Second Language -I	CC-2	80	20	100	4Hrs	4
3	BBA101	Principles of Management	CC-3	80	20	100	5Hrs	5
4	BBA102	Basics of Marketing	CC-4	80	20	100	5Hrs	5
5	BBA103	Business Economics	CC-5	80	20	100	5Hrs	5
6	AECC1	Environmental Studies	AECC1	50	-	50	2Hrs	2
		Total					25Hrs	25
SEMESTER-II:								
7	ELS-II	English –II	CC-6	80	20	100	4Hrs	4
8	SLS-II	Second Language –II	CC-7	80	20	100	4Hrs	4
9	BBA201	Organizational Behaviour	CC-8	80	20	100	5Hrs	5
10	BBA202	Business Statistics	CC-9	80	20	100	5Hrs	5
11	BBA203	Financial Accounting	CC-10	80	20	100	5Hrs	5
13	AECC2	Basic Computer Skills	AECC2	50	-	50	2Hrs	2
		Total					25Hrs	25
SECOND YEAR:								
SEMESTER-III (2020-2021)								
14	ELS-III	English-III	CC-12	35	15	50	3Hrs	3
15	SLS-III	Second Language –III	CC-13	35	15	50	3Hrs	3
16	BBA301	Human Resource Management	CC-14	35	15	50	5Hrs	5
17	BBA302	Information Technology For Business	CC-20	35	15 PR	50	4T+1P	5
18	BBA303	Financial Management	CC-16	35	15	50	5Hrs	5
19	SEC-1	Advanced Computers	EC-1	50	-	50	2Hrs	2
20	SEC-2	Business Policy and Strategy	EC-2	50	-	50	2Hrs	2
		Total					25Hrs	25
SEMESTER-IV:								
21	ELS-IV	English-IV	CC-17	35	15	50	3Hrs	3
22	SLS-IV	Second Language –IV	CC-18	35	15	50	3Hrs	3
23	BBA401	Business Law and Ethics	CC-19	35	15	50	5Hrs	5
24	BBA402	Market Research	CC-20	35	15	50	5Hrs	5
25	BBA403	Management Science	CC-21	35	15	50	5Hrs	5
26	SEC-3	Personality Development	EC-3	50	-	50	2 Hrs	2
27	SEC-4	Business Intelligence & Data Visualization	EC-4	50	-	50	2Hrs	2
		Total					25Hrs	25


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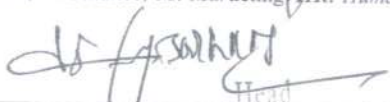

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**B.B.A (CBCS)
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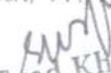
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THIRD YEAR: SEMESTER-V: (2019-2020 Batch)								
28	ELS-V	English -V	CC-22	35	15	50	3Hrs	3
29	SLS-V	Second Language-V	CC-23	35	15	50	3Hrs	3
30	GE-I	Mobile Commerce	GE-I	50	-	50	2 Hrs	2
31	SECC-3	Personality Development	EC-3	50	-	50	2 Hrs	2
32	BBA501	a) Financial Markets and Services (F) b) Brand Management (M) c) Organization Development (HR)	CC-24	35	15	50	5Hrs	5
33	BBA502	a) Analysis of Investment in Financial Assets (F) b)Retail Management (M) c) Performance Appraisal and Counseling (HR)	CC-25	35	15	50	5 Hrs	5
34	BBA503	a) Insurance Services (F) b) Customer Relationship Management (M) c)Compensation Management (HR)	CC-26	35	15	50	5Hrs	5
		Total					25 Hrs	25
SEMESTER-VI:								
35	ELS-VI	English –VI	CC-27	35	15	50	3Hrs	3
35	SLS-VI	SLS-VI	CC-28	35	15	50	3Hrs	3
36	GE-II	Business Analytics	GE-II	50	-	50	2Hrs	2
37	SECC-4	Business Intelligence & Data Visualization	EC-4	50		50	2Hrs	2
38	BBA601	a) Banking (F) b) Buyer Behaviour (M) c) Leadership and Change Management (HR)	CC-29	35	15	50	5Hrs	5
39	BBA602	a) Risk Analysis And Management (F) b) Advertising and Sales Promotion (M) c) Talent and Knowledge Management (HR)	CC-30	35	15	50	5Hrs	5
40	BBA603	a) International Finance (F) b) Rural Marketing (M) c) Employees Relations (HR)	CC-31	35	15	50	5Hrs	5
40	BBA604	Project Report & Viva-Voce	CC-32	PR 35	VV 15	Grade	4Hrs	4
							30Hrs	29

Notation : CC – Core Courses- ELS: English Language Skill; SLS: Second Language Skill; AECC: Ability Enhancement Compulsory Course; SEC: Skill Enhancement Course; DSC: Discipline Specific Course; DSE: Discipline Specific Elective; GE: Generic Elective; T: Theory; P: Practical; I: Internal Exam; PR: Project Report; VV: Viva-Voce Examination; F: Finance; M: Marketing; HR: Human Resource Management.


Head
Department of Business Administration
Anwarul Uloom College
(Autonomous)
(Affiliated to Osmania University)
New Mallepally,Hyd-01

15


Dr. Syed Khaja Safiuddin
Assistant Professor (Selection Grade)
Department of Management & Commerce
Maulana Azad National Urdu University
Gachibowli, Hyderabad. (T.S.)

STRUCTURE OF B.B.M DEGREE COURSE w.e.f. ACADEMIC YEAR 2020 onwards								
SEMESTER-I								
Sl.No	Code	Course Title	Course Type	Sem Exam	IA	Total	HPW	Credits
1*	ELS-1	English (First Language) 1	-	35	15	50	4Hrs	4
2.	MIL-1	MIL-I	-	35	15	50	4Hrs	4
3.	AECC-1	Environmental Science	AECC1	50	-	50	2Hrs	2
4	BBM101	Principles of Management	DSC-1	35	15	50	5Hrs	5
5	BBM102	Financial Accounting	DSC-2	35	15	50	5Hrs	5
6	BBM103	Business Economics	DSC-3	35	15	50	5Hrs	5
		Total					25 Hrs	25
SEMESTER-II:								
7.	ELS-2	English (First Language) 2	-	35	15	50	4Hrs	4
	MIL-2	MIL-2	-	35	15	50	4Hrs	4
	AECC-2	Basic Computer Skills	AECC2	50	-	50	2Hrs	2
5	BBM201	Fundamentals of Marketing	DSC-4	35	15	50	5Hrs	5
6	BBM202	Business Statistics	DSC-5	35	15	50	5Hrs	5
7	BBM203	Business Correspondence and Communication	DSC-6	35	15	50	5Hrs	5
		Total					25Hrs	25

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Dr. Syed Khaja Safiuddin
Assistant Professor
Department of Management Studies
Maulana Azad National Urdu University
Gachibowli, Hyderabad. (T.S.)

TELANGANA STATE COUNCIL OF HIGHER EDUCATION
PROPOSED CBCS COMMON CORE SCHEME FOR B.SC. COURSE
OPTIONAL -1: BOTANY

CODE	PAPER TITLE	Course Type	HPW	Credits
FIRST YEAR SEMESTER - I				
BS 104	PAPER-I : Microbial Diversity and Lower Plants	DSC-1A	4T+2P=6	4+1=5
FIRST YEAR SEMESTER - II				
BS 204	PAPER-II: Gymnosperms, Taxonomy of Angiosperms and Ecology	DSC-1B	4T+2P=6	4+1=5
SECOND YEAR SEMESTER - III				
BS 301	SEC-1: Nursery and Gardening	SEC-1	2	2
BS 302	SEC-2: Biofertilizers and Organic Farming	SEC-2	2	2
BS 304	PAPER-III: Plant Anatomy and Embryology	DSC-1C	4T+2P=6	4+1=5
SECOND YEAR SEMESTER - IV				
BS 401	SEC-3: Greenhouse Technology	SEC-3	2	2
BS 402	SEC-4: Mushroom Culture Technology	SEC-4	2	2
BS 404	PAPER-IV : Cell Biology, Genetics & Plant Physiology	DSC-1D	4T+2P=6	4+1=5
THIRD YEAR SEMESTER - V				
BS 501	GE-1: Industrial Microbiology	GE-1	4T	4
BS 502	DSE -1A: Biodiversity & Conservation DSE -1B: Economic Botany DSE -1C: Seed Technology	DSE-1A / DSE-1B / DSE-1C	4+2	4+1
THIRD YEAR SEMESTER - VI				
BS 601	DSE-3: Project	PROJECT	4	4
BS 602	DSE -2A: Plant Molecular Biology DSE -2B: Tissue Culture and Biotechnology DSE -2C: Analytical Techniques in Plant Sciences	DSE-2A / DSE-2B / DSE-2C	4T+2P=6	4+1=5

M. S. Reddy
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AECC: Ability Enhancement Compulsory Course, SEC: Skill Enhancement Course, GE: Generic Elective, DSC: Discipline Specific Core, DSE: Discipline Specific Elective.

M. S. Reddy
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BOS IN BOTANY

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OSMANIA UNIVERSITY
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3 | Page

M.Sc. BOTANY MARKS DISTRIBUTION

SEMESTER-I

Paper	Title	Theory , Practicals/Week	UNITS 4 Credits	Max.Marks Theory& Practicals
I	Phycology and Mycology Theory & Practical	4 HRS	4	80 External +20Internal=100 PR =50
		4 HRS	2	
II	Bryophyta and Pteridophyta Theory & Practical	4 HRS	4	80+20=100 PR=50
		4HRS	2	
III	Taxonomy and Medicinal Botany Theory & Practicals	4 HRS	4	80+20=100 PR=50
		4HRS	2	
IV	Plant Biochemistry Theory & Practicals <i>Seminars</i>	4HRS	4	80+ 20=100 PR=50 <i>25 Marks Seminars</i>
		4HRS	2	
		2HRS	1	

25 credits

Semester-II

Paper	Title	Theory , Practicals /Week	Units =4 Credits	Max.Marks Theory & Practicals
I	Applied Phycology and Mycology Theory & Practicals	4 HRS	4	80+20 = 100 PR=50
		4HRS	2	
II	Gymnosperms and Embryology Theory & Practicals	4 HRS	4	80+20 = 100 PR=50
		4HRS	2	
III	Plant Anatomy and Palynology Theory & Practicals	4 HRS	4	80+20 = 100 PR=50
		4HRS	2	
IV	Plant Physiology Theory & Practicals	4 HRS	4	80+20 = 100 PR=50
		4HRS	2	

Seminars

2HRS

1/25

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S. Singh

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Semester III

Paper	Title	Theory , Practicals/Week	Units=4 Credits	Max.Marks Theory & Practicals
I	Cell Biology ,Genetics and Biostatistics Theory & Practicals	4 HRS	4	80+20=100
		4HRS	2	PR=50
II	Environmental Pollution and Protection Theory & Practical	4 HRS	4	80+20=100
		4HRS	2	PR=50
III	Cytogenetics Theory & Practicals	4 HRS	4	80+20=100
		4HRS	2	PR=50
IV	Genetics Theory & Practicals	4 HRS	4	80+20=100
		4HRS	2	PR=50
V	IDE Course : Seed Technology	2 hrs.	2	50 Total=650
			<u>26</u> Credits	

Semester IV

Pape r	Title	Theory, Practicals /Week	Units=4 Credits	Max.Marks Theory
I	Ecology & Phtogeography Theory & Practicals	4 HRS	4	80+20=100
		4HRS	2	PR=50
II	Horticulture and Plant Breeding Theory & Practicals	4 HRS	4	80+20=100
		4HRS	2	PR=50
III	Molecular Genetics & Recombinant DNA Technology Theory & Practicals	4 HRS	4	80+20=100
		4HRS	2	PR=50
IV	Project Work		6 credits	100 + 50 Presentation Viva 50
V	IDE Course : Polyhouse Technology	2HRS	2	50
			<u>26</u>	Total =650

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S.O.S. IN BOTANY
MANA UNIVERSITY
THERA-500 007.

BOS IN BOTANY

**DEPARTMENT OF BOTANY,
OSMANIA UNIVERSITY
M.Sc. BOTANY (CBCS)
(Effective from Academic Year**

2021-22

Semester-I

Subject Code	Subject / Paper	Theory / Practical	Instruction		Credits	Evaluation		Duration of External Examination
			Hrs /Week	Th./ Pr.		Internal	External	
MBOT.CC.T.1.101	Phycology and Mycology	Theory (Paper-I)	4		4	20	80	3
MBOT.CC.T.1.102	Bryophyta & Pteridophyta	Theory (Paper-II)	4		4	20	80	3
MBOT.CC.T.1.103	Taxonomy of Angiosperms and Medicinal Botany	Theory (Paper-III)	4		4	20	80	3
MBOT.CC.T.1.104	Plant Biochemistry	Theory (Paper-IV)	4		4	20	80	3
MBOT.CC.P.1.105	Practical Lab - I	Practical (Paper-I)	4		2	-	50	4
MBOT.CC.P.1.106	Practical Lab - II	Practical (Paper-II)	4		2	-	50	4
MBOT.CC.P.1.107	Practical Lab-III	Practical (Paper-III)	4		2	-	50	4
MBOT.CC.P.1.108	Practical Lab-IV	Practical (Paper-IV)	4		2	-	50	4
			32		24	600		

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Murugan

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B.O.S. IN BOTANY
OSMANIA UNIVERSITY

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HYDERABAD-500 007.

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Semester-II

2021-22

Subject Code	Subject / Paper	Theory / Practical	Instruction Hrs / Week	Credits	Evaluation		Duration of External Examination
					Th / Pr.	Internal		External
MBOT.CC.T.1.201	Applied Phycology and Mycology	Theory (Paper-I)	4	4	20	80	3
MBOT.CC.T.1.202	Gymnosperms and Embryology	Theory (Paper-II)	4	4	20	80	3
MBOT.CC.T.1.203	Plant Anatomy and Palynology	Theory (Paper-III)	4	4	20	80	3
MBOT.CC.T.1.204	Plant Physiology	Theory (Paper-IV)	4	4	20	80	3
MBOT.CC.P.1.205	Practical Lab - I	Practical (Paper-I)	4	2	-	50	4
MBOT.CC.P.1.206	Practical Lab - II	Practical (Paper-II)	4	2	-	50	4
MBOT.CC.P.1.207	Practical Lab - III	Practical (Paper-III)	4	2	-	50	4
MBOT.CC.P.1.208	Practical Lab - IV	Practical (Paper-IV)	4	2	-	50	4
			32	24	600		

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S. P. Singh

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M. S. S.

B. P. S.

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BOS IN BOTANY

SEMESTER - III

2021-22

Subject Code	Subject / Paper	Theory / Practical	Instruction Hrs /Week	Credits	Evaluation		Duration of External Examination
					Th./ Pr.	Internal		External
MBOT.CC.T.2.301	Cell Biology, Genetics and Biostatistics	Theory (Paper-I)	4	4	20	80	3
MBOT.CC.T.2.302	Environmental Pollution & Protection	Theory (Paper-II)	4	4	20	80	3
MBOT.EC.T.2.303	Specialization - (A/B/C/D/E)	Theory (Paper-III)	4	4	20	80	3
MBOT.EC.T.2.304	Specialization - (A/B/C/D/E)	Theory (Paper-IV)	4	4	20	80	3
MBOT.CC.P.2.305	Practical Lab - I	Practical (Paper-I)	4	2	-	50	4
MBOT.CC.P.2.306	Practical Lab - II	Practical (Paper-II)	4	2	-	50	4
MBOT.EC.P.2.307	Practical Lab - III	Practical (Paper-III)	4	2	-	50	4
MBOT.EC.P.2.308	Practical Lab - IV	Practical (Paper-IV)	4	2	-	50	4
			32	24	600		



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BOS IN BOTANY

SEMESTER - IV

2021-22

Subject Code	Subject / Paper	Theory / Practical	Instruction Hrs /Week	Credits	Evaluation		Duration of External Examination
					Th./ Pr.	Internal		External
MBOT.CC.T.2.401	Ecology & Phytogeography	Theory (Paper-I)	4	4	20	80	3
MBOT.CC.T.2.402	Horticulture & Plant Breeding	Theory (Paper-II)	4	4	20	80	3
MBOT.EC.T.2.403	Specialization - (A/B/C/D/E)	Theory (Paper-III)	4	4	20	80	3
MBOT.EC.T.2.404	Specialization - (A/B/C/D/E) / Project*	Theory (Paper-IV) / Project*	4	4	20	80	3
MBOT.CC.P.2.405	Practical Lab - I	Practical (Paper-I)	4	2	-	50	4
MBOT.CC.P.2.406	Practical Lab - II	Practical (Paper-II)	4	2	-	50	4
MBOT.EC.P.2.407	Practical Lab - III	Practical (Paper-III)	4	2	-	50	4
MBOT.EC.P.2.408	Practical Lab - IV / Project*	Practical (Paper-IV) / Project*	4	2	-	50	4
			32	24	600		

* Project work / Dissertation in place of one elective course and one practical that accounts to 6 Credits.

Total number of Credits for the 2-year M.Sc. Botany Programme: 96

Note: Specializations (A/B/C/D/E): Given in next page

H. J. ...
S. ...

M. ...

R. ...
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HYDERABAD-500 007**

OK

V. ...
**CHAIRPERSON
BOS IN BOTANY**

H. ...

Anwarul Uloom College (Autonomous)
Department of Biotechnology
B. Sc (Bt. M. C)
Subject: BIOTECHNOLOGY (2021 – 2022)

No.	Year	Sem	Paper / Title	Teaching Hours /Week	Units	Credits	Marks		
							Internal assessment	Semester	Total
1	1 st Year 2021 - 2022	I	Cell Biology & Genetics -Theory	4	4	4	20	80	100
2			Cell biology & Genetics -Practical	2	-	2	-	50	50
3			Environmental science (AECC-I)	2	-	2	-	50	50
4	1 st Year 2021 - 2022	II	- Nucleic acids & Biochemistry Theory	4	4	4	20	80	100
5			Nucleic Acids & Biochemistry -Practical	2	-	2	-	50	50
6			Basic Computer Skills (AECC-II)	2	-	2	-	50	50
7	2 nd Year 2020 - 2021	III	Molecular biology & rDna Technology – Theory	4	4	4	15	35	50
8			Molecular biology & rDna Technology – Practical	2	-	1	-	25	25
9			Industrial fermentation –(SECC I)	2	2	2	-	50	50
10			Immunological techniques (SECC – II)-	2	2	2	-	50	50
11	2 nd Year 2020 - 2021	IV	Biostatistics & Bioinformatics Theory	4	4	4	15	35	50
12			Biostatistics & Bioinformatics Practical	2	-	1	-	25	25
13			Molecular markers in plant breeding– (SECC- III)	2	2	2	-	50	50
14	3 rd Year 2019 - 2020	V	Drug designing (SECC- IV)	2	2	2	-	50	50
15			Elective – A Plant biotechnology- Theory	4	4	4	15	35	50
16			Plant biotechnology - Practical	2	-	1	-	25	25
17			Elective – B Medical biotechnology - Theory	4	4	4	15	35	50
18			Medical biotechnology – Practical	2	-	1	-	25	25
19			Plant breeding (SECC- V)	2	2	2	-	50	50
20	3 rd Year 2019 - 2020	VI	Basics in biotechnology – (GE- I)	2	2	2	-	50	50
21			Elective – A - Animal biotechnology - Theory	4	4	4	15	35	50
22			Animal biotechnology - Practical	2	-	1	-	25	25
23			Elective – B - Environmental biotechnology - Theory	4	4	4	15	35	50
24			Environmental biotechnology – Practical	2	-	1	-	25	25
			Intellectual property rights (SECC- VI)	2	2	2	-	50	50
			Research methodology/ project– (GE- II)			5	-	100	100

AECC – Ability Enhancement Compulsory Course

SECC – Skill Enhancement Compulsory Course

GE – Generic Electives

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Dr. E. Surekha Rani
 Assistant Professor
 Chairperson - BOS in Genetics
 Department of Genetics
 Osmania University, Hyderabad-57

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Head of the Department

HEAD
 Department of Biotechnology
ANWAR-UL-ULOOM COLLEGE
 Malicpally, Hyderabad-500 001.

ANWARUL ULOOM COLLEGE
(AUTONOMOUS)
M.Sc. BIOTECHNOLOGY SYLLABUS (2021 – 2022)

CHOICE BASED CREDIT SYSTEM (CBCS)

SEMESTER – I							
S No	Syllabus Ref No	Subject	Credits	Teaching Hours	Mark		
					Internal Assessment	Semester Exam	Total
THEORY							
1.	BT 101 T	Cell Biology and Genetics	4	4	20	80	100
2.	BT 102 T	Biological chemistry	4	4	20	80	100
3.	BT 103 T	Microbiology	4	4	20	80	100
4.	BT 104 T	Statistics, laboratory management & safety, entrepreneurship	4	4	20	80	100
PRACTICALS							
1.	BT 151 P	Cell Biology and Genetics	2	4		50	50
2.	BT 152 P	Biological chemistry	2	4		50	50
3.	BT 153 P	Microbiology	2	4		50	50
4.	BT 154 P	Statistics, LM&S, & E.	2	4		50	50
		SEMINAR	1	1		25	25
		Total	25	34	80	570	625

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H. Surekha Rani
Dr. H. Surekha Rani
Assistant Professor
Chairperson - BOS in Genetics
Department of Genetics
Osmania University, Hyderabad-07

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Mallepally, Hyderabad-500 001.

ANWARUL ULOOM COLLEGE
(AUTONOMOUS)
M.Sc. BIOTECHNOLOGY SYLLABUS (2021 – 2022)

CHOICE BASED CREDIT SYSTEM (CBCS)

SEMESTER -II

S No	Syllabus Ref No	Subject	Credits	Teaching Hours	Mark		
					Internal Assessment	Semester Exam	Total
THEORY							
1.	BT 201 T	Molecular Biology- The Genome	4	4	20	80	100
2.	BT 202 T	Molecular Biology- Genes to Proteins	4	4	20	80	100
3.	BT 203 T	Immunology	4	4	20	80	100
4.	BT 204 T	Microbial technology	4	4	20	80	100
PRACTICALS							
1.	BT 251 P	Molecular Biology-The Genome	2	4		50	50
2.	BT 252 P	Molecular Biology- Genes to Proteins	2	4		50	50
3.	BT 253 P	Immunology	2	4		50	50
4.	BT 254 P	Microbial technology	2	4		50	50
		SEMINAR	1	1		25	25
		Total	25	34	80	570	625

T- Theory, P-Practical

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Dr. H. Surekha Rani
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ANWARUL ULOOM COLLEGE
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M.Sc. BIOTECHNOLOGY SYLLABUS (2021 – 2022)
CHOICE BASED CREDIT SYSTEM (CBCS)

SEMESTER – III							
S No	Syllabus Ref No	Subject	Credits	Teaching Hours	Marks		
					Internal Assessment	Semester Exam	Total
THEORY							
1.	BT 301 T	Recombinant DNA technology	4	4	20	80	100
2.	BT 302 T	Bioinformatic & Its Applications	4	4	20	80	100
3.	BT 303 T	Elective: A. Advance in plant Biotechnology (or) B. Food Biotechnology B. Protein Engineering	4	4	20	80	100
4.	BT 304 T	Elective: A. Animal Biotechnology (or) B. Protein Engineering	4	4	20	80	100
PRACTICALS							
1.	BT 351 P	Recombinant DNA technology	2	4		50	50
2.	BT 352 P	Bioinformatic & Its Applications	2	4		50	50
3.	BT 353 P	Elective: A. Advance in plant Biotechnology (or) B. Food Biotechnology	2	4		50	50
4.	BT 354 P	Elective: A. Animal Biotechnology (or) B. Protein Engineering	2	4		50	50
	IDE	Applications of Biotechnology	2	2		50	50
		Total	26	34	80	570	650

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Department of Biotechnology
ANWAR-UL-ULOOM COLLEGE
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[Signature]
Dr. H. Surekha Rani
Assistant Professor
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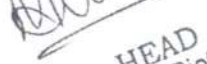
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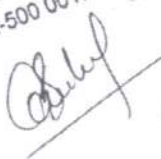
ANWARUL ULOOM COLLEGE
(AUTONOMOUS)
M.Sc. BIOTECHNOLOGY SYLLABUS (2021 – 2022)
CHOICE BASED CREDIT SYSTEM (CBCS)

SEMESTER – IV

S No	Syllabus Ref No	Subject	Credits	Teaching Hours	Marks		
					Internal Assessment	Semester Exam	Total
THEORY							
1.	BT 401 T	Bioprocess Engineering	4	4	20	80	100
2.	BT 402 T	Medical Biotechnology	4	4	20	80	100
3.	BT 403 T	Elective: A.Environmental Biotechnology B.Biopharmacology	4	4	20	80	100
4.	BT 404 T	ProjectWork	6				150
PRACTICALS							
1.	BT 451 P	BioprocessEngineering	2	4		50	50
2.	BT 452 P	MedicalBiotechnology	2	4		50	50
3.	BT 453 P	Elective: A.EnvironmentalBiotechnology B.Biopharmacology	2	4		50	50
	IDE	Food biotechnology	2	2		50	50
		Total	26	26	60	440	650
		Grandtotal					2600

T- Theory, P-Practical


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Dr. H. Surekha Rani
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Department of Genetics
Osmania University, Hyderabad-07





ANWARUL ULOOM COLLEGE (AUTONOMOUS)

B.Sc. - M.E. Cs. Group Course Structure

No changes

SEMESTER - I (2021-22)

SUBJECT	UNIT	Hr. Per Week	CREDIT	INTERNAL	EXTERNAL	TOTAL	FINAL EXAM TIME
English-I	4	4	4	20	80	100	3hrs
Second language -I	4	4	4	20	80	100	3hrs
Mathematics -I	5	5	5	20	80	100	3hrs
Electronics -I	4	4	4	20	80	100	3hrs
Practical	---	3	1	---	50	50	3hrs
Computer -I	4	4	4	20	80	100	3hrs
Practical	---	3	1	---	50	50	3hrs
AECC -I (EVS)	2	2	2	---	50	50	2hrs
Total	---	---	25	100	550	650	

SEMESTER - II (2021-22)

SUBJECT	UNIT	Hr. Per Week	CREDIT	INTERNAL	EXTERNAL	TOTAL	FINAL EXAM TIME
English-II	4	4	4	20	80	100	3hrs
Second Language - II	4	4	4	20	80	100	3hrs
Mathematics -II	5	5	5	20	80	100	3hrs
Electronics -II	4	4	4	20	80	100	3hrs
Practical	---	3	1	---	50	50	3hrs
Computer -II	4	4	4	20	80	100	3hrs
Practical	---	3	1	---	50	50	3hrs
AECC -II (BCS)	2	2	2	---	50	50	2hrs
Total	---	---	25	100	550	650	

DEPARTMENT OF ELECTRONICS, ANWARUL ULOOM COLLEGE.

Vajans
CHAIRMAN
 Board of Studies in Electronics
 Osmania University
 Hyderabad - 500007
 T.S.

msahameet
 Head of Department
 Anwar-ul-Uloom College
 Hyderabad

ANWARUL ULOOM COLLEGE (AUTONOMOUS)

B.Sc. - M.E. Cs. Group Course Structure


SEMESTER - III (2020-21)

SUBJECT	UNIT	Hr. Per Week	CREDIT	INTERNAL	EXTERNAL	TOTAL	FINAL EXAM TIME
English-III	3	3	3	15	35	50	2hrs
Second Language-III	3	3	3	15	35	50	2hrs
Mathematics -III	5	5	5	15	35	50	2hrs
Electronics -III	4	4	4	15	35	50	2hrs
Practical	---	2	1	---	25	25	2hrs
Computer -III	4	4	4	15	35	50	2hrs
Practical	---	2	1	---	25	25	2hrs
SECC -I <i>a or b</i>	2	2	2	---	50	50	2hrs
SECC -II <i>a or b</i>	2	2	2	---	50	50	2hrs
Total	---	---	25	75	325	400	

SEMESTER - IV (2020-21)

SUBJECT	UNIT	Hr. Per Week	CREDIT	INTERNAL	EXTERNAL	TOTAL	FINAL EXAM TIME
English-IV	3	3	3	15	35	50	2hrs
Second Language-IV	3	3	3	15	35	50	2hrs
Mathematics -IV	5	5	5	15	35	50	2hrs
Electronics -IV	4	4	4	15	35	50	2hrs
Practical	---	2	1	---	25	25	2hrs
Computer -IV	4	4	4	15	35	50	2hrs
Practical	---	2	1	---	25	25	2hrs
SECC -III <i>a or b</i>	2	2	2	---	50	50	2hrs
SECC -IV <i>a or b</i>	2	2	2	---	50	50	2hrs
Total	---	---	25	75	325	400	


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 Board of Studies in Electronics
 Osmania University
 Hyderabad - 500007
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 Anwarul Uloom College
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ANWARUL ULOOM COLLEGE (AUTONOMOUS)

B.Sc. - M.E. Cs. Group Course Structure

SEMESTER - V (2019-20)

SUBJECT	UNIT	Hr. Per Week	CREDIT	INTERNAL	EXTERNAL	TOTAL	FINAL EXAM TIME
ENGLISH -V	3	3	3	15	35	50	2hrs
Second Language-V	3	3	3	15	35	50	2hrs
Mathematics -V	5	5	5	15	35	50	2hrs
Electronics -V	4	4	4	15	35	50	2hrs
Practical	---	2	1	---	25	25	2hrs
Computer -V	4	4	4	15	35	50	2hrs
Practical	---	2	1	---	25	25	2hrs
SECC -III	2	2	2	---	50	50	2hrs
GE - I	2/4	2	2	---	50	50	2hrs
Total	---	---	25	75	325	400	

SEMESTER - VI (2019-20)

SUBJECT	UNIT	Hr. Per Week	CREDIT	INTERNAL	EXTERNAL	TOTAL	FINAL EXAM TIME
ENGLISH -VI	3	3	3	15	35	50	2hrs
Second Language-VI	3	3	3	15	35	50	2hrs
Mathematics -VI	5	5	5	15	35	50	2hrs
Electronics -VI	4	4	4	15	35	50	2hrs
Practical	---	2	1	---	25	25	2hrs
Computer -VI	4	4	4	15	35	50	2hrs
Practical	---	2	1	---	25	25	2hrs
SECC -IV	2	2	2	---	50	50	2hrs
GE - II	2	2	2	---	50	50	2hrs
Total	---	---	25	75	325	400	

DEPARTMENT OF ELECTRONICS, ANWARUL ULOOM COLLEGE

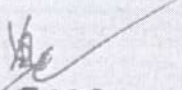
CHAIRMAN
Board of Studies in Electronics
Osmania University
Hyderabad - 500007
T.S.

M. Sahameed
Head of the Dept. of Electronics,
Anwar-ul-Uloom College, Maltepal
Hyderabad.

ACADEMIC YEAR 2021-22 (2021-2022 Batch).

B.Sc (M.P.C,B.Z.C,B.M.C & N.Z.C) Ist.SEM.

SEM	CORE SUBJECT	UNITS	HOURS	CREDITS	INTERNAL	EXTERNAL	TOTAL	DURATION
Ist SEM	ENG-I	4	4	4	20	80	100	4 HRS
	SL-I	4	4	4	20	80	100	4HRS
	MATHS-I (MPC) BOTANY-I (BZC) BIOTECH-I (BMC) NUTRITION-I (NZC)	4	4	4	20	80	100	4HRS
	PRACTICAL-I	-	4	2	-	-	50	4HRS
	PHYSICS-I (MPC) ZOOLOGY-I (BZC) (NZC) MICROBIOLOGY-I (BMC)	4	4	4	20	80	100	4HRS
	PRACTICAL-I	-	4	2	-	-	50	4HRS
	CHEMISTRY-I	4	4	4	20	80	100	4HRS
	PRACTICAL	-	4	2	-	-	50	4HRS
	AECC-1 (EVS)	2	2	2	-	-	50	4HRS
							<u>28 CREDITS</u>	<u>700</u>


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ACADEMIC YEAR 2021-2022 (2021-2022 Batch)

B.Sc (M.P.C, B.Z.C, B.M.C & N.Z.C) IInd SEM.

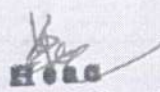
SEM	CORE SUBJECT	UNITS	HOURS	CREDITS	INTERNAL	EXTERNAL	TOTAL	DURATION
IInd SEM	ENG-II	4	4	4	20	80	100	4 HRS
	SL-II	4	4	4	20	80	100	4HRS
	MATHS-II (MPC) BOTANY-II (BZC) BIOTECH-II (BMC) NUTRITION-II (NZC)	4	4	4	20	80	100	4HRS
	PRACTICAL-II	-	4	2	-	-	50	4HRS
	PHYSICS-II (MPC) ZOOLOGY-II(BZC)(NZC) MICROBIOLOGY-II (BMC)	4	4	4	20	80	100	4HRS
	PRACTICAL-II	-	4	2	-	-	50	4HRS
	CHEMISTRY-II	4	4	4	20	80	100	4HRS
	PRACTICAL	-	4	2	-	-	50	4HRS
AEC- II	BASIC COMP.SKILLS	2	2	2	-	-	50	4HRS
							<u>28CREDITS</u>	<u>700</u>


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ACADEMIC YEAR 2021-2022 (2021-2022 Batch)

B.Sc (M.P.C, B.Z.C, B.M.C & N.Z.C) IIIrd SEM.

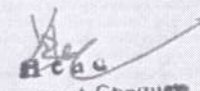
SEM	CORE SUBJECT	UNITS	HOURS	CREDITS	INTERNAL	EXTERNAL	TOTAL	DURATION
IIIrd SEM	ENG-III	3	3	3	15	35	50	2 HRS
	SL-III	3	3	3	15	35	50	2HRS
	MATHS-III (MPC) BOTANY-III (BZC) BIOTECH-III (BMC) NUTRITION-III (NZC)	4	4	4	15	35	50	2HRS
	PRACTICAL-III	-	2	1	-	-	25	2HRS
	PHYSICS-III (MPC) ZOOLOGY-III (BZC)(NZC) MICROBIOLOGY-III (BMC)	4	4	4	15	35	50	2HRS
	PRACTICAL-III	-	2	1	-	-	25	2HRS
	CHEMISTRY-III	4	4	4	15	35	50	2HRS
	PRACTICAL	-	2	1	-	-	25	2HRS
	RULES IN CHEMISTRY LABORATORY SFCC-1	2	2	2	-	-	50	2HRS
				<u>25 CREDITS</u>			<u>425</u>	


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ACADEMIC YEAR 2021-2022 (2021-2022 Batch)

B.Sc (M.P.C, B.Z.C, B.M.C & N.Z.C) IV SEM.

SEM	CORE SUBJECT	UNITS	HOURS	CREDITS	INTERNAL	EXTERNAL	TOTAL	DURATION	
IVth SEM	ENG-IV	3	3	3	15	35	50	2 HRS	
	SL-IV	3	3	3	15	35	50	2HRS	
	MATHS-IV(MPC) BOTANY-IV (BZC) BIOTECH-IV (BMC) NUTRITION-IV (NZC)	4	4	4	15	35	50	2HRS	
	PRACTICAL-IV	-	2	1	-	-	25	2HRS	
	PHYSICS-IV (MPC) ZOOLOGY-IV [BZC][NZC] MICROBIOLOGY-IV (BMC)	4	4	4	15	35	50	2HRS	
	PRACTICAL-IV	-	2	1	-	-	25	2HRS	
	CHEMISTRY-IV	4	4	4	15	35	50	2HRS	
	PRACTICAL	-	2	1	-	-	25	2HRS	
	SECC- 11 1	PREPARATION OF LAB REAGENTS	2	2	2	-	-	50	2HRS
	<u>23 CREDITS</u>							<u>375</u>	


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ACADEMIC YEAR 2021-2022 (2021-2022 Batch)

B.Sc (M.P.C, B.Z.C, B.M.C & N.Z.C) Vth SEM.

SEM	CORE SUBJECT	UNITS	HOURS	CREDITS	INTERNAL	EXTERNAL	TOTAL	DURATION
Vth SEM	ENG-V	3	3	3	15	35	50	2HRS
	SL-V	3	3	3	15	35	50	2HRS
	OPTIONAL -I (A) or(B)	4	4	4	15	35	50	2HRS
	MATHS-V (MPC) BOTANY-V(BZC) BIOTECH-V(BMC) NUTRITION-V (NZC)							
	PRACTICAL	-	2	1	-	-	25	2HRS
	OPTIONAL-I (A) or (B)	4	4	4	15	35	50	2HRS
	PHYSICS-V (MPC) ZOOLOGY-V (BZC) (NZC) MICROBIOLOGY-V (BMC)							
	PRACTICAL	-	2	1	-	-	25	2HRS
	CHEMISTRY-V	4	4	4	15	35	50	2HRS
	PRACTICAL	-	2	1	-	-	25	2HRS
SECC-III	INDUSTRIAL CHEMISTRY	2	2	2	-	-	50	2HRS
GE-I	SOAPS AND DETERGENTS	2	2	2	-	-	50	2HRS

25CREDITS

425


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ACADEMIC YEAR 2021-2022 (2021-2022 Batch)

B.Sc (M.P.C, B.Z.C, B.M.C & N.Z.C) VIth SEM.

SEM	CORE SUBJECT	UNITS	HOURS	CREDITS	INTERNAL	EXTERNAL	TOTAL	DURATION
VI SEM	ENG-VI	3	3	3	15	35	50	2HRS
	SL-VI	3	3	3	15	35	50	2HRS
	OPTIONAL -I (A)or(B) MATHS-VI (MPC) BOTANY-VI (BZC) BIOTECH-VI (BMC) NUTRITION-VI (NZC)	4	4	4	15	35	50	2HRS
	PRACTICAL	-	4	2	-	-	50	2HRS
	OPTIONAL-I (A)or (B) PHYSICS-VI (MPC) ZOOLOGY-VI (BZC) (NZC) MICROBIOLOGY-VI (BMC)	4	4	4	15	35	50	2HRS
	PRACTICAL	-	4	2	-	-	50	2HRS
	CHEMISTRY-VI	4	4	4	15	35	50	2HRS
	PRACTICAL	-	2	1	-	-	25	2HRS
	ADVANCED CHEMISTRY(OR) PROJECT	4	4	4	-	-	100	4HRS
SECC-IV	WATER TECHNOLOGY	2	2	2	-	-	50	2 HRS
GE -II	FUEL CHEMISTRY	2	2	2	-	-	50	2HRS

28 CREDITS

475

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ANWARUL ULOOM COLLEGE

B.Sc (M.P.C; B.Z.C. B.M.C & N.Z.C)

SUBJECT: CHEMISTRY

Year	Semester	Course / Paper	Code. No.	Teaching hrs/Week	No. of Credits
I	I	Paper-I (Theory)	6109	4 Hrs	4
		Paper-II (Practicals)	6109 P	2 Hrs	1
		1 st AECC I		2 Hrs	1
		Environmental Studies			
	II	Paper-II (Theory)	6209	4 Hrs	4
		Paper-II (Practicals)	6209 P	2 Hrs	1
AECC-II Basic Computer Skills			2 Hrs	2	
II	III	Paper-I (Theory)	6309	4 Hrs	4
		Paper-II (Practicals)	6309P	2 Hrs	1
		SECC I: Rules In Chemistry Laboratory	A6309	2 Hrs	1
	IV	Paper-IV (Theory)	6409	4 Hrs	4
		Paper-IV (Practicals)	6409P	2 Hrs	1
		SECC II:Preparation Of Lab Reagents	16409	2 Hrs	1
III	V	Paper V(Theory)	6509	4 Hrs	4

	Paper – VA (Elective)	6509A	4 Hrs	4
	Paper- VB (Elective)	6509B	4 Hrs	4
	Paper –V- P-1(Practicals)	6509V-P1	2 Hrs	1
	Paper- V- P-2(Practicals)	6509V-P2	2 Hrs	1
	SECC III-Industrial Chemistry	A6509	2 Hrs	1
	GE I: Soaps & Detergents	G6509	2Hrs	1
VI	Paper-VI(Theory)	6609	4 Hrs	4
	Paper – VIA (Elective)	6609A	4 Hrs	4
	Paper- VIB (Elective)	6609B	4 Hrs	4
	Paper – VI-P1 (Practicals)	I6609VIP1	2 Hrs	1
	Paper-VI-P-2(Practicals)	6609VI-P2	2 Hrs	1
	SECC IV-Water Technology	S6609	2 Hrs	1
	GE II: Fuel Chemistry	G6609	2Hrs	1


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Anwarul Uloom College (Autonomous)
New Mallepally, Hyderabad
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(Accredited by NACC with A- Grade)
Faculty of Science
Department of Botany
B.Sc. (2021 – 2022)

I-SEM	CORE SUBJECT	UNITS	HOURS	CREDITS	INTERNAL	EXTRNAL	TOTAL	DURATION
DSC	Paper I Microbial Diversity and Lower Plants	4	4	4	20	80	100	3 HRS
DSC	Paper I PRACTICAL	-	3	1	-	-	50	3HRS
AECC -I	Environmental Sciences	2	2	2	-	-	50	2 HRS

II-SEM	CORE SUBJECT	UNITS	HOURS	CREDITS	INTERNAL	EXTRNAL	TOTAL	DURATION
DSC	Paper – II Gymnosperms, Taxonomy of Angiosperms and Ecology	4	4	4	20	80	100	3 HRS
DSC	Paper II PRACTICAL	-	3	1	-	-	50	3HRS
AECC -II	Basic Computer Skills	2	2	2	-	-	50	2 HRS

III-SEM	CORE SUBJECT	UNITS	HOURS	CREDITS	INTERNAL	EXTRNAL	TOTAL	DURATION
DSC	Paper III Plant Anatomy and Embryology	4	4	4	15	35	50	2 HRS
DSC	Paper III PRACTICAL	-	2	1	-	-	25	-
SECC -I	Nursery and Gardening	2	2	2	-	-	50	2 HRS
SECC- II	Biofertilizers and Organic Farming	2	2	2	-	-	50	2 HRS

IV-SEM	CORE SUBJECT	UNITS	HOURS	CREDITS	INTERNAL	EXTRNAL	TOTAL	DURATION
DSC	Paper IV Cell Biology, Genetics and Plant Physiology.	4	4	4	15	35	50	2 HRS
DSC	Paper IV PRACTICAL	-	2	1	-	-	25	-
SECC -III	Green house Technology	2	2	2	-	-	50	2 HRS
SECC- IV	Mushroom Culture Technology	2	2	2	-	-	50	2 HRS

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CHAIRPERSON
B.O.S. IN BOTANY
OSMANIA UNIVERSITY
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V-SEM	CORE SUBJECT	UNITS	HOURS	CREDITS	INTERNAL	EXTRNAL	TOTAL	DURATION
DSE	Optionals DSE -1A: Biodiversity & Conservation DSE -1B: Economic Botany DSE -1C: Seed Technology	4	4	4	15	35	50	2 HRS
DSEP	PRACTICAL	-	2	1	-	-	25	-
GE - I	Industrial Microbiology	2	2	2	-	-	50	2 HRS

SEC III - Green House Technology 2 2 - - 50 2 HRS.

VI-SEM	CORE SUBJECT	UNITS	HOURS	CREDITS	INTERNAL	EXTRNAL	TOTAL	DURATION
DSE	DSE -2A: Plant Molecular Biology DSE -2B: Tissue Culture and Biotechnology DSE -2C: Analytical Techniques in Plant Sciences	4	4	4	15	35	50	2 HRS
DSEP	PRACTICAL	-	2	1	-	-	25	-
PROJECT	RESEARCH METHODOLOGY / Project	--	--	5	--	--	100	--

SEC IV - Mushroom culture Tech. 2 2 2 - - 50 2 HRS.

- CC- CORE COURSE
- AECC- ABILITY ENHANCEMENT COURSE
- DSC- DISCIPLINE SPECIFIC COURSE
- SEC- SKILL ENHANCEMENT COURSE
- DSE- DISCIPLINE SPECIFIC ELECTIVE
- GE- GENERAL ELECTIVE
- HPW- HOURS PER WEEK
- P- PRACTICAL
- T- THEORY

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Annexure – I (Credits)
Proposed CBCS Scheme for B.Sc.
w.e.f 2019-20

Courses		Papers	Total Credits	Credits for each paper / Semester					
				B.Sc.					
				I	II	III	IV	V	VI
Core Courses DSC	Optional-1	4	20	5	5	5	5	-	-
	Optional-2	4	20	5	5	5	5	-	-
	Optional-3	4	20	5	5	5	5	-	-
Elective Courses DSE	Optional-1	2	10	-	-	-	-	5	5
	Optional-2	2	10	-	-	-	-	5	5
	Optional-3	2	10	-	-	-	-	5	5
Language	English(First Language)	5	20	4	4	3	3	3	3
	Second Language	5	20	4	4	3	3	3	3
Ability Enhancement Compulsory Course AECC	Environmental Science / Basic Computer Skills	1	2	2	-	-	-	-	-
	Basic Computer Skills / Environmental Science	1	2	-	2	-	-	-	-
Skill Enhancement Course SEC	SEC1	1	2	-	-	2	-	-	-
	SEC2	1	2	-	-	2	-	-	-
	SEC3	1	2	-	-	-	2	-	-
	SEC4	1	2	-	-	-	2	-	-
Generic Elective GE	Open Stream	1	4	-	-	-	-	4	-
Project Work/Optionals		1	4	-	-	-	-	-	4
Total Credits in each semester				25	25	25	25	25	25
Total Credits in UG				150					
Credits under Non-CGPA		NSS /NCC /sports / Extra curricular	6	Upto 6 (2 in each year)					
		Summer Internship	4	Upto 4 (2 in each, after I & II years)					

Annexure II

Proposed New Grading System

SGPA (SEMESTER GRADE POINT AVERAGE)			
S. No.	Grade Point	Range of marks	Grade Letter
1	10	Equal to and above 90 Marks	A+
2	9	More than or equal to 80 and less than 90 Marks	A
3	8	More than or equal to 70 and less than 80 Marks	B+
4	7	More than or equal to 60 and less than 70 Marks	B
5	6	More than or equal to 55 and less than 60 Marks	C+
6	5	More than or equal to 50 and less than 55 Marks	C
7	4	More than or equal to 40 and less than 50 Marks	D
8	0	Below 40 Marks	F

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Anwarul Uloom College (Autonomous)

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Department of Chemistry

M. Sc. (Chemistry) First Year

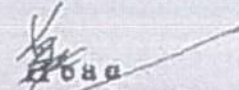
Paper Titles & Marks Details (2021 - 22)

(Course Structure & Scheme of Examinations)

S. No.	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
						Max.	Min.			
M. Sc. Ist Year, I - Semester (CBCS)										
1	I	511 T	Inorganic Chemistry Theory	4 Hrs	20	80	32	100	4	3 Hrs
		511 P	Inorganic Chemistry Practical	6 Hrs	—	50	25	75	3	3 Hrs
2	II	512 T	Organic Chemistry Theory	4 Hrs	20	80	32	100	4	3 Hrs
		512 P	Organic Chemistry Practical	6 Hrs	—	50	25	75	3	3 Hrs
3	III	513 T	Physical Chemistry Theory	4 Hrs	20	80	32	100	4	3 Hrs
		513 P	Physical Chemistry Practical	6 Hrs	—	50	25	75	3	3 Hrs
4	IV	514 T	Analytical Techniques & Spectroscopy - I Theory	4 Hrs	20	80	32	100	4	3 Hrs
5					—		—			
			Total	34 Hrs				625	25	
M. Sc. Ist Year, II - Semester (CBCS)										
1	I	521 T	Inorganic Chemistry Theory	4 Hrs	20	80	32	100	4	3 Hrs
		521 P	Inorganic Chemistry Practical	6 Hrs	—	50	25	75	3	3 Hrs
2	II	522 T	Organic Chemistry Theory	4 Hrs	20	80	32	100	4	3 Hrs
		522 P	Organic Chemistry Practical	6 Hrs	—	50	25	75	3	3 Hrs
3	III	523 T	Physical Chemistry Theory	4 Hrs	20	80	32	100	4	3 Hrs
		523 P	Physical Chemistry Practical	6 Hrs	—	50	25	75	3	3 Hrs
4	IV	524 T	Analytical Techniques & Spectroscopy - II Theory	4 Hrs	20	80	32	100	4	3 Hrs
5					—		—			
			Total	34 Hrs				625	25	

Head of the Department

- Note: 1) For each paper there will be Semester Examination for 80 Marks and 20 Marks for Internal Assessment
2) 15 Marks for Internal Assessment and 5 Marks for Assignment in the subject, average of two shall be considered for the award of the Marks.


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Department of Chemistry

M. Sc. (Chemistry) Final Year

Paper Titles & Marks Details (2021 - 22)

(Course Structure & Scheme of Examinations)

S. No.	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
						Max.	Min.			
M. Sc. 2nd Year, III – Semester (CBCS)										
1	I	531 T	Synthetic Reagents, <i>Advanced NMR</i> Conformational Analysis and O R D Theory	4 Hrs	20	80	32	100	4	3 Hrs
		531 P	Synthesis of Organic Molecules, Isolation of Natural Products and T L C Practical	6 Hrs	—	50	25	100	3	6 Hrs
2	II	532 T	Modern Organic Synthesis Theory	4 Hrs	20	80	32	100	4	3 Hrs
		532 P	Synthesis and Analysis of Drugs and Column Chromatography Practical	6 Hrs	—	50	25	100	3	6 Hrs
3	III	533 T	Bio-Organic Chemistry Theory	4 Hrs	20	80	32	100	4	3 Hrs
4	IV	534 T	Green Chemistry and Organic Materials Theory	4 Hrs	20	80	32	100	4	3 Hrs
5		136	I D E: Biotechnology & Healthcare	2 Hrs	—	50	—	50	2	2 Hrs
			Seminar	2 Hrs	—	25	—	25	1	—
			Total	32 Hrs				575	25	
M. Sc. 2nd Year, IV – Semester (CBCS)										
1	I	541 T	Drug Design & Drug Discovery Theory	4 Hrs	20	80	32	100	4	3 Hrs
		541 P	Spectroscopic Identification o f Organic Compounds and Practical of Chemistry Software Programmes Practical	6 Hrs	—	100	50	100	4	3 Hrs
2	II	542 T	Drug Synthesis & Mechanism of action Thoery	4 Hrs	20	80	32	100	4	3 Hrs
3	III	543 T	Advanced Heterocyclic Chemistry	4 Hrs	20	80	32	100	4	3 Hrs
4	IV	544 T	Advanced Natural Product	4 Hrs	20	80	32	100	4	3 Hrs
			Seminar	2 Hrs	—	25	—	25	1	—
			Project Work					100	4	
5		146	I D E: Food Microbiology	2 Hrs	—	50	—	50	2	2 Hrs
			Total	24 Hrs				675	27	

Head of the Department

Total Credits: 100 & Total Marks: 2,600


Department of Chemistry
Osmania University
HYDERABAD-500 081

ANWARUL ULOOM COLLEGE (AUTONOMOUS)
 (An Autonomous Muslim Minority Institution)
 New Mallepally, Hyderabad-500001 T.S, India
 (Affiliated to Osmania University)
 (Re-Accredited With NAAC with A Grade)

FACULTY OF SCIENCE
DEPARTMENT OF MATHEMATICS
 B.Sc (MPCs, MECs, MPE, MPC)
COURSE STRUCTURE

Approved syllabus for the academic year: 2021-22

S.N O	YEAR	SEM	PAPER/ TITLE	TEACHING HOURS/WEEK	UNITS	CREDITS	MARKS		
							I A	Sem	Total
	1 st YEAR	I	6114 T Differential And Integral Calculus	5	5	5	20	80	100
			(AECC -I) Environmental Science	2	2	2	-	50	50
	1 st YEAR	II	6214 T Differential Equations	5	5	5	20	80	100
			(AECC-II) Basic Computer Skills	2	2	2	-	50	50
	2 nd YEAR	III	6314 T Real Analysis	5	5	5	15	35	50
			(SECC-I) Introduction To Laplace Transformy	2	2	2	-	50	50

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Head
Department of Mathematics
Osmania University
Hyderabad-500001

2nd Year	III	SECC-II Commercial Mathematics	2	2	2	-	50	50	
2nd YEAR	IV	6414T Algebra	5	5	5	15	35	50	
		SECC-III Probability And Statistics	2	2	2	-	50	50	
		SECC-IV Basic Mathematics	2	2	2	-	50	50	
3 rd YEAR	V	503T Linear Algebra Paper V(a)	5	5	5	15	35	50	
		OR	-	-	-	-	-	-	
		503T Solid Geometry Paper V(b)	5	5	5	15	35	50	
			SECC-III Probability And Statistics	2	2	2	-	50	50
			GE-I Basic Statistics	2	2	2	- -	50	50
	VI	603T Numerical Analysis paper VI(a)	5	5	5	15	35	50	
		OR	-	-	-	-	-	-	
		603T Vector Calculus Paper VI(b)							
		SECC-IV	2	2	2	-	50	50	

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Hyderabad-500 002

			Basic Mathematics						
			GE-II Number System	2	2	2	-	50	50



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Osmania University
Hyderabad-500 007

ANWARUL- ULOOM COLLEGE (AUTONOMOUS)

New Mallepally, Hyderabad

DEPARTMENT OF MATHEMATICS

(Choice Based Credit System)

M.Sc APPLIED MATHEMATICS

Semester- I

2021-2022

Subjects	code	Paper	Hours / Week	units	IA+Sem Exam	Credits
Core	AM 101	Abstract Algebra	6	4	20+80	5
Core	AM 102	Mathematical Analysis	6	4	20+80	5
Core	AM 103	Ordinary and Partial Differential Equations	6	4	20+80	5
Core	AM 104	Mechanics	6	4	20+80	5
Core	AM 105	Integral Transform	5	4	20+80	4
		Seminar	2	2	25	1
	Total		31		525	25

Semester II

Subjects	code	Paper	Hours/ Week	units	IA+Sem Exam	Credits
Core	AM 201	Galois Theory	6	4	20+80	5
Core	AM 202	Lebesgue measure & Integration	6	4	20+80	5
Core	AM 203	Complex Analysis	6	4	20+80	5
Core	AM 204	Fluid Mechanics	6	4	20+80	5
Core	AM 205	Theory of Ordinary Differential Equations	5	4	20+80	4
		Seminar	2	2	25	1
	Total		31		525	25



Head
Department of Mathematics
Osmania University
Hyderabad-500 007

ANWARUL- ULOOM COLLEGE (AUTONOMOUS)

New Mallepally, Hyderabad

DEPARTMENT OF MATHEMATICS

(Choice Based Credit System)

M.Sc APPLIED MATHEMATICS

Semester III 2021-2022

Subjects	code	Paper	Hours/Week	Units	IA+Sem Exam	Credits
Core	AM 301	Finite difference Method	6	4	20+80	5
Core	AM 302	Viscous flows	6	4	20+80	5
Core	AM 303	Linear Algebra	6	4	20+80	5
Elective	AM 304(A)	Operations Research	6	4	20+80	5
	AM 304(B)	Compressible flows				
	AM 304(C)	Computational Fluid Dynamics				
Elective	AM 305(A)	Elementary Number Theory	5	4	20+80	4
	AM 305(B)	Numerical Analysis				
	AM 305(C)	Topology				
	IDE	Basic Mathematics-I	2	2	50	2
	Total	Bio-Mathematics	31		550	26

Continuum
Mathematics
Mechanics

Semester IV

Subjects	code	Paper	Hours/Week	Units	IA+Sem Exam	Credits
Core	AM 401	Integral Equation & Calculus of variation	6	4	20+80	5
Core	AM 402	Finite Element Methods	6	4	20+80	5
Core	AM 403	Functional Analysis	6	4	20+80	5
Elective	AM 404(A)	Magnetohydrodynamics	6	4	20+80	5
	AM 404(B)	Bio-Mechanics				
	AM 404(C)	Differential Geometry				
Elective	AM 405(A)	Discrete Mathematics	5	4	20+80	4
	AM 405(B)	Advance Operations Research				
	AM 405(C)	Advance Complex Analysis				
	IDE	Basic Mathematics-II	2	2	50	2
	Total	Finance Mathematics	31		550	26

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 IDE in IIIrd & IVth Sem offered
 for Non Mathematics students

Head
 Department of Mathematics
 Osmania University
 Hyderabad-500 002

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Anwarul Uloom College (Autonomous)
 New Mallepally, Hyderabad
 Affiliated to Osmania University
 (Re- Accredited with NACC with A- Grade)
 Faculty of Science
 Department of Microbiology
 B. Sc (B. M. C)
 Subject: MICROBIOLOGY (2021 – 2022)

I-SEM	CORE SUBJECT	UNITS	HOURS	CREDITS	INTERNAL	EXTRNAL	TOTAL	DURATION
DSC	GENERAL MICROBIOLOGY -I	4	4	4	20	80	100	3 HRS
DSC	PRACTICAL	-	3	1	-	-	50	-
AECC -I	EVS	2	2	2	-	-	50	2 HRS

II-SEM	CORE SUBJECT	UNITS	HOURS	CREDITS	INTERNAL	EXTRNAL	TOTAL	DURATION
DSC	MICROBIAL DIVERSITY -II	4	4	4	20	80	100	3 HRS
DSC	PRACTICAL	-	3	1	-	-	50	-
AECC -II	BCS	2	2	2	-	-	50	2 HRS

III-SEM	CORE SUBJECT	UNITS	HOURS	CREDITS	INTERNAL	EXTRNAL	TOTAL	DURATION
DSC	FOOD AND ENVIRONMENTAL MICROBIOLOGY - III	4	4	4	15	35	50	2 HRS
DSC	PRACTICAL	-	2	1	-	-	25	-
SECC - I	PHARMACEUTICAL	2	2	2	-	-	50	2 HRS
SECC - II	FOOD ADULTERATION	2	2	2	-	-	50	2 HRS

IV-SEM	CORE SUBJECT	UNITS	HOURS	CREDITS	INTERNAL	EXTRNAL	TOTAL	DURATION
DSC	MEDICAL MICROBIOLOGY AND IMMUNOLOGY - IV	4	4	4	15	35	50	2 HRS
DSC	PRACTICAL	-	2	1	-	-	25	-
SECC - III	MUSHROOM CULTIVATION	2	2	2	-	-	50	2 HRS
SECC - IV	HOSPITAL MANAGEMENT	2	2	2	-	-	50	2 HRS

[Signature]

DR. A. MADHURI
 Head, Department of Microbiology
 Government Degree College For Women (A)
 Begumpet, Hyderabad - 500016

V. Srinivas
 LECTURER
 Dept. of Microbiology
 Bhavan's New Science College
 Narayanaguda, Hyderabad-29

A. C. J.
 HEAD
 Department of Microbiology
 Osmania University,
 Hyderabad-500 007.

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V-SEM	CORE SUBJECT	UNITS	HOURS	CREDITS	INTERNAL	EXTERNAL	TOTAL	DURATION
DSE	1 A) MOLECULAR BIOLOGY AND MICROBIAL GENETICS - V OR 1 B) MICROBIAL OMICS - V	4	4	4	15	35	50	2 HRS
DSEP	PRACTICAL	-	2	1	-	-	25	-
SECC - III	MUSHROOM CULTIVATION	2	2	2	-	-	50	2 HRS
GE - I	HEMATOLOGY	2	2	2	-	-	50	2 HRS

VI-SEM	CORE SUBJECT	UNITS	HOURS	CREDITS	INTERNAL	EXTERNAL	TOTAL	DURATION
DSE	2 A) INDUSTRIAL MICROBIOLOGY - VI OR 2 B) PHARMACEUTICAL MICROBIOLOGY - VI	4	4	4	15	35	50	2 HRS
DSEP	PRACTICAL	-	2	1	-	-	25	-
SECC - IV	HOSPITAL MANAGEMENT	2	2	2	-	-	50	2 HRS
PROJEC T/	APPLIED METHODOLOGY	3	3	3	15	35	50	2 HRS
	PRACTICAL	-	2	1	-	-	25	-
GE - II	Soil Microbiology	2	2	2	-	-	50	2 HRS

CC- CORE COURSE
 AECC- ABILITY ENHANCEMENT COURSE
 DSC- DISCIPLINE SPECIFIC COURSE
 SEC- SKILL ENHANCEMENT COURSE
 DSE- DISCIPLINE SPECIFIC ELECTIVE
 GE- GENERAL ELECTIVE
 HPW- HOURS PER WEEK
 P- PRACTICAL
 T- THEORY

Head of Department
 Department of Microbiology
 Anwarul Uloom College
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 Affiliated to Osmania University
 New Mallepally, Hyderabad-01.T.S.

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 Dr. A. MADHURY
 Head, Department of Microbiology
 Government Degree College For Women
 Begumpet, Hyderabad - 500016
 Lecturer
 Dept. of Microbiology
 Narayanuguda, Hyderabad-29.

[Signature]
 HEAD
 Department of Microbiology
 Osmania University,
 Hyderabad-500 007.

[Signature]
 Head
 Department of Microbiology
 Anwarul Uloom College
 (Autonomous)
 Affiliated to Osmania University
 New Mallepally, Hyderabad-01.T.S.

Anwarul Uloom College (Autonomous)

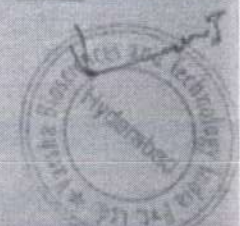
New Mallepally, Hyderabad
 Affiliated to Osmania University
 (Re-Accredited with NACC with A-Grade)
 Faculty of Science
 Department of Microbiology
 MSc MICROBIOLOGY (2021 - 2022)

SEMESTER - I						
Syllabus Ref No	Subject	Credits	Teaching Hours	Marks		
				Internal Assessment	Semester Exam	Total
THEORY						
MB 101	General Microbiology & Microbial Physiology (Core)	4	4	20	80	100
MB 102	Virology (Core)	4	4	20	80	100
MB 103	Research Methodology & Techniques (Core)	4	4	20	80	100
MB 104	Microbial Biochemistry (Core)	4	4	20	80	100
PRACTICALS						
MB 151	General Microbiology & Microbial Physiology	2	4	--	50	50
MB 152	Virology	2	4	--	50	50
MB 153	Research Methodology & Techniques	2	4	--	50	50
MB 154	Microbial Biochemistry	2	4	--	50	50
Total		24	32	80	520	600

Head of the Department
 Department of Microbiology
 St. Francis College for Women
 Begumpet, Hyderabad-16

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 10/4/21

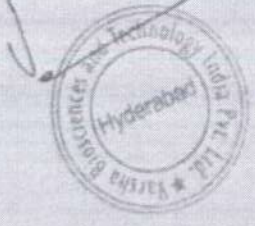
Dr. D. BHARATI, M.Sc., Ph.D.
 Associate Professor
 Department of Microbiology, U O S,
 OSMANIA UNIVERSITY, HYD-7



HEAD
 P.O. Dept of Microbiology
 MUMTAZ COLLEGE
 Hyderabad

SEMESTER - II						
Syllabus Ref No	Subject	Credits	Teaching Hours	Marks		
				Internal Assessment	Semester Exam	Total
THEORY						
MB 201	Molecular Biology and Microbial Genetics (Core)	4	4	20	80	100
MB 202	Environmental & Agriculture Microbiology (Core)	4	4	20	80	100
MB 203	Immunology (Core)	4	4	20	80	100
MB 204	Pharmaceutical Microbiology (Core)	4	4	20	80	100
PRACTICALS						
MB 251	Molecular Biology and Microbial Genetics	2	4	--	50	50
MB 252	Environmental & Agriculture Microbiology	2	4	--	50	50
MB 253	Immunology	2	4	--	50	50
MB 254	Pharmaceutical Microbiology	2	4	--	50	50
	Total	24	32	80	520	600

Head
Department of Microbiology
ANWA of Osmania College
(Autonomous)
Osmania University
Hyderabad



Dr. E. Dhanraj, M.Sc., Ph.D.
Associate Professor
Department of Microbiology, U.C.S.
OSMANIA UNIVERSITY, HYD-7.

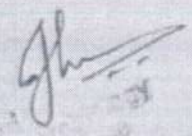
Head of the Department
Department of Microbiology
St. Francis College For Women
Begumpet, Hyderabad, Hyd-7B

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HEAD
P.G. Dept. of Microbiology
MUMTAZ COLLEGE
Malakpet, Hyderabad-500038

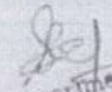
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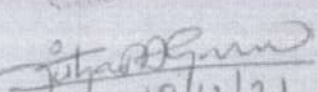
Rayata
Department of Microbiology
St. Francis College for Women
Begumpet, Hyderabad-18

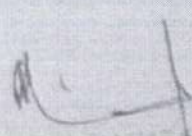
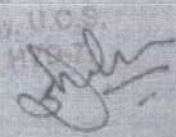
SEMESTER - III						
Syllabus Ref No	Subject	Credits	Teaching Hours	Marks		
				Internal Assessment	Semester Exam	Total
THEORY						
MB 301	Food Microbial Technology (Core)	4	4	20	80	100
MB 302	Medical Bacteriology (Core)	4	4	20	80	100
MB 303	DSE A. Industrial Microbiology (or) B. Microbial Proteomics	4	4	20	80	100
MB 304	DSE A. Microbial Ecology & Plant Microbe Interactions (or) B. Advances in Biotechnology	4	4	20	80	100
PRACTICALS						
MB 351	Food Microbial Technology	2	4	--	50	50
MB 352	Medical Bacteriology	2	4	--	50	50
MB 353	C. Industrial Microbiology (or) Microbial Proteomics	2	4	--	50	50
MB 354	Microbial Ecology & Plant Microbe Interactions (or) Advances in Biotechnology	2	4	--	50	50
	Total	24	32	80	520	600


 M. S. Reddy
 HEAD
 P.G. Dept. of Microbiology
 MUMTAZ COLLEGE
 Hyderabad-500078




 Dr. B. Bhargava
 Department of Microbiology
 St. Francis College for Women
 Hyderabad-78


 Jayadevi
 10/4/21


 Dr. B. Bhargava, M.Sc., Ph.D.
 Associate Professor
 Department of Microbiology, U.C.S.
 OSMANIA UNIVERSITY, HYDRABAD

 Jayadevi
 Department of Microbiology
 St. Francis College for Women
 Chakraborty, Hyderabad-16

SEMESTER - IV						
Syllabus Ref No	Subject	Credits	Teaching Hours	Marks		
				Internal Assessment	Semester Exam	Total
THEORY						
MB 401	Cell & Molecular Biotechnology (Core)	4	4	20	80	100
MB 402	Medical Virology & Parasitology (Core)	4	4	20	80	100
MB 403	GE (IDSE) A. Microbial Biotechnology (or) Bioinformatics and Nanotechnology	4	4	20	80	100
MB 404	DSE A. Applied Microbiology (or) B. Project work	4	4	20	80	100
PRACTICALS						
MB 451	Cell & Molecular Biotechnology	2	4	--	50	50
MB 452	Medical Virology & Parasitology	2	4	--	50	50
MB 453	Microbial Biotechnology (or) Bioinformatics and Nanotechnology	2	4	--	50	50
MB 405	Applied Microbiology (or) Project	2	4	--	50	50
Total		24	32	80	520	600
GRAND TOTAL		96	128	320	2080	2400

Head
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Head
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MTAZ COLLEGE
Hyderabad-500038

10/4/21

12/4/21

Department of Microbiology
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Anwarul Ulloom College (Autonomous)
 New Malteempally, Hyderabad
 Affiliated to Osmania University
 (Re-Accredited with NAAC with A-Grade)
Faculty of Science
Department of Nutrition & Dietetics
 B.Sc. (N.Z.C), 1ST YEAR
 Course Structure (2021-2022)

S.NO	SUBJECT	UNITS	HPW	CREDITS	INTERNAL	EXTERNAL	TOTAL	DU
SEMESTER - I								
1.	ENGLISH	4	4	4	20	80	100	3
2.	SECOND LANGUAGE	4	4	4	20	80	100	3
3.	NUTRITION (THEORY)	4	4	4	20	80	100	3
4.	NUTRITION (PRACTICALS)	-	2	1	-	25	25	
5.	ZOOLOGY (THEORY)	4	4	4	20	80	100	3
6.	ZOOLOGY (PRACTICAL)	-	2	1	-	25	25	
7.	CHEMISTRY (THEORY)	4	4	4	20	80	100	3
8.	CHEMISTRY (PRACTICAL)	-	2	1	20	25	25	
9.	AECC-LEVS	2	2	2	-	50	50	2
	TOTAL			25			625	
SEMESTER - II								
1.	ENGLISH	4	4	4	20	80	100	3
2.	SECOND LANGUAGE	4	4	4	20	80	100	3
3.	NUTRITION (THEORY)	4	4	4	20	80	100	3
4.	NUTRITION (PRACTICALS)	-	2	1	-	25	25	
5.	ZOOLOGY (THEORY)	4	4	4	20	80	100	3
6.	ZOOLOGY (PRACTICALS)	-	2	1	-	25	25	
7.	CHEMISTRY (THEORY)	4	4	4	20	80	100	3
8.	CHEMISTRY (PRACTICAL)	-	2	1	-	25	25	
	TOTAL			25			625	

Dr. Venkatesh NUTRI
 DEPT. OF FOOD & NUTRI
 Hyderabad

Head of the Department of Nutrition & Dietetics
 Anwarul Ulloom College (Autonomous)
 New Malteempally, Hyderabad - 500036

Dr. Sujatha Srinivas
 Head of Nutritionals
 YASHODHARA HOSPITALS
 Hyderabad - 500036

Mema. K.

Anwarul Uloom College (Autonomous)
 New Malleshpally, Hyderabad
 Affiliated to Osmania University
 (Re-Accredited with NAAC with A-Grade)
 Faculty of Science
Department of Nutrition & Dietetics
 B.Sc. (N.Z.C)

Course Structure (2021-2022)

S.N O.	YEA R	SE M.	PAPER/TITLE	Teaching hours/ week	Units	Credits	Internal Assessment	End Semester	Total
1	1 st Year 21-22	I	Introduction to Foods & Nutrition	4	4	4	20	40	1000
2	1 st Year 21-22	I	Introduction to Foods & Nutrition (Practical's)	2	-	1	-	25	25
3	1 st Year 21-22	I	Environmental Science (AIEEC-I)	2	-	2	-	50	50
4	1 st Year 21-22	II	Nutritional Biochemistry and Nutrition Physiology	4	4	4	20	40	1000
5	1 st Year 21-22	II	Microbiology and Human Physiology (Practical)	2	-	1	-	50	50
6	2 nd Year 20-21	III	Basic Computer Skills (AIEEC-II)	2	-	2	-	50	50
7	2 nd Year 20-21	III	Normal Therapeutic Nutrition-Theory	4	4	4	20	40	1000
8	2 nd Year 20-21	III	Normal And Therapeutic Nutrition-Practical	2	-	1	-	50	50
9	2 nd Year 20-21	III	Food Service Management (SECC-I)	2	2	2	-	50	50
10	2 nd Year 20-21	IV	Bakery Science (SECC-II)	2	2	2	-	50	50
11	2 nd Year 20-21	IV	Diet In Disease - Theory	4	4	4	20	40	1000
12	2 nd Year 20-21	IV	Diet In Disease - Practical	2	-	1	-	50	50
			Diet Counseling Skills.-(SECC-III)	2	-	2	-	50	50
			Strategies For Weight Management (SECC-IV)	2	-	2	-	50	50
13	3 rd Year	V	Diet Therapy V A Theory	4	4	4	15	35	50

Muna - V
 Head of the Dept. of Nutrition & Dietetics
 SUJATHA SPINNING MILLS
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 Mob: 9985104444
 Email: muna@anwarulloomcollege.edu.in
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 muna@spinningmills.com

Anwarul Uloom College
 DEPT. OF FOOD & NUTRITION
 ULOOM COLLEGE, NEW MALLESHPALLY, HYDRABAD
 TEL: 9985104444
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 ANWARULUOLOOMCOLLEGE@YASHODAHOSPITALS.COM
 ANWARULUOLOOMCOLLEGE@SPINNINGMILLS.COM

	14	19-20		2	1	1	50	50
17			Diet Therapy V A - Practical (CBE)	2			50	50
18			Practical Counseling Skills (SECC - III) Food & Nutrition (CBE - I)	2	2		50	50
19	3 rd Year 19-20	VI	Diet Therapy - II - VI - A - Theory	4	4	15	35	50
20			Diet Therapy - II - VI A - Practical (CBE)	2			50	50
23			Malnutrition & Nutritional Status (SECC - IV) Food Commodities (CBE - II)	2	2		50	50
25				2	2		50	50

Mena V

Autarhal

SEPT. OF FOOD & NUTRITION

STEPHEN R.D.
SUJATHA NUTRITION DEPT
HOD NUTRITION DEPT
YASHODA HOSPITALS
MIRYADET, H. TELANGANA 507038.

M.P.P.

Rohaan

20/10/20

Department of Food & Nutrition
Yashoda Hospitals
Miriyadeti, H. Telangana

**M.Sc. (Nutrition and Dietetics)
Choice Based Credit system (CBCS)
Syllabus**

COURSE OUTLINE AND SCHEME OF EXAMINATION

FIRST SEMESTER

Paper No.	Title	Instructions Hrs/Week	Duration of Examination	Credits	Maximum Marks
Theory ND 101 (CORE)	Human Nutrition	4	3	4	100 (80+20)
ND 102 (CORE)	Nutritional Biochemistry-I	4	3	4	100 (80+20)
ND 103 (CORE)	Human Physiology	4	3	4	100 (80+20)
ND 104 (CORE)	Principles of Dietetics	4	3	4	100 (80+20)
	seminar	1	-	1	25
Practical ND 105 P	Human Nutrition	4	2	2	50
ND 106 P	Nutritional Biochemistry-I	4	2	2	50
ND 107 P	Human Physiology	4	2	2	50
ND 108 P	Principles of Dietetics	4	2	2	50
	Total	16 T + 16P		25	625 (T+P)

SECOND SEMESTER

Paper No.	Title	Instructions Hrs/Week	Duration of Examination	Credits	Maximum Marks
Theory ND 201 (CORE)	Principles of Foods	4	3	4	100 (80+20)
ND 202 (CORE)	Nutritional Biochemistry II	4	3	4	100 (80+20)
ND 203 (CORE)	Research Methodology	4	3	4	100 (80+20)
ND 204 (CORE)	Diet in Disease	4	3	4	100 (80+20)
	seminar	1	-	1	25
Practical ND 205 P	Principles of Foods	4	2	2	50
ND 206 P	Nutritional Biochemistry II	4	2	2	50
ND 207 P	Research Methodology	4	2	2	50
ND 208 P	Diet in Disease	4	2	2	50
	Total	16 T + 16P		25	625 (T+P)

 Muma V
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 500005
 08466222000

 Sujatha S
 Head of the Dept.
 Department of Nutrition
 St. Ann's College for Women
 Achampet, Hyderabad
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 Ramesh
 Head of the Dept.
 Department of Nutrition
 St. Ann's College for Women
 Achampet, Hyderabad
 500005

THIRD SEMESTER

Paper No.	Title	Instructors Hrs/Week	Duration of Examination	Credits	Maximum Marks
Theory ND 301 T (CORE)	Community Nutrition	4	3	4	100 (80+20)
ND 302 T (CORE)	Food Microbiology	4	3	4	100 (80+20)
ND 303 T (ELECTIVE POOL)	i) Food Service Management ii) Institutional Food Management	4	3	4	100 (80+20)
ND 304 T (Inter-disciplinary ELECTIVE)	Food Hygiene and sanitation	4	3	4	100 (80+20)
ND 305 P	Community Nutrition	4	2	2	50
ND 306 P	Food Microbiology	4	2	2	50
ND 307 P	i) Food Service Management ii) Institutional Food Management	4	2	2	50
ND 308 P	Food Hygiene and sanitation	4	2	2	50
IDE	Food Preservation	2	2	2	50
	Total	32		26	650 (T+P)

FOURTH SEMESTER

Paper No.	Title	Instructors Hrs/Week	Duration of Examination	Credits	Maximum Marks
Theory ND 401 T (CORE)	Advanced Nutrition	4	3	4	100 (80+20)
ND 402 T (CORE)	Pediatric Nutrition	4	3	4	100 (80+20)
ND 403 T (ELECTIVE)	i) Nutraceuticals and Functional Foods	4	3	4	100 (80+20)

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 HYDRABAD

POOL)	ii) Geriatric Nutrition iii) Clinical Nutrition and Immunology i) Diet and Psychology Counselling Skills ii) Nutrition for Fitness and Sports iii) Maternal and Child Nutrition	4	3	4	100 (80+20)
ND 404 T (ELECTIVE POOL)					
Practical					
ND 405 P	Hospital Internship in Nutrition and Dietetics	4	2	2	50
ND 406 P	Internship - case studies presentation	4	2	2	50
ND 407 P	Project Work - Collection of Data	4	2	2	50
ND 408 P	Project Work - Report Writing and Presentation of Project Seminar	4	2	2	50
IDE	Food Science	2	2	2	50
	Total Marks	32	24	26	650
Grand Total Marks of all the Four Semesters = 625+625+650+650=2550					Theory Practical

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 Melchiorpattinam, Trivandrum

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HOSPITAL INTERNSHIP DEPT.
 Melchiorpattinam, Trivandrum

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ANWAR ULULOOM COLLEGE

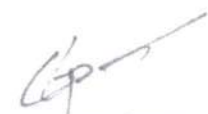
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Mallepally, Hyderabad-1

DEPARTMENT OF COMPUTER SCIENCE

STRUCTURE OF MODEL CURRICULUM FOR B.Sc. I, II & III YEAR (CBCS)

Class	Sem	Course/Paper	Code No	T	P	IA	Exam	Total	Credits
B.Sc. First Year (Batch- 2021-22)	I	Paper -I (Theory) Programming in C	6110	4		20	80	100	4
		Paper -I (C-LAB)	6110P		3				1
		AECC-I - ENV. STUDS.	A6110	2			50	50	2
	II	Paper - II (Theory) Programming in C++	6210	4		20	80	100	4
		Paper -II (C++-LAB)	6210P		3		50	50	1
		AECC-II Basic Computer Skills	A6210	2			50	50	2
B.Sc. Second Year (Batch-2020- 21)	III	Paper -III (Theory) Data Structures	6310	4		15	35	50	4
		Paper -III (DS-LAB)	6310P		2		25	25	1
		SECC-I - PYTHON-I	6310A1	2			50	50	2
		SECC-II Software Engineering	6310A2	2			50	50	2
	IV	Paper-IV (Theory) DBMS	6410	4		15	35	50	4
		Paper-IV (DBMS-LAB)	6410P		2		25	25	1
B.Sc. Third Year (Batch-2019- 20)	V	OPTIONALS: 1) Programming in JAVA OR 2) Operating System	6510	4		15	35	50	4
		Paper -V-(Practical)	6510P		2		25	25	1
	SECC-III- Soft. Engg.	S6510	2			50	50	2	
	GE-I- INFO.TECHY-I	G6510	2			50	50	2	
VI	Paper-VI OPTIONALS: 1) Web Technology OR 2) Computer Networks	6610A	4		15	35	50	4	
	Paper-VI (Practical)	6610AP	2	2		25		1	
	SECC-IV -DATA SCI.	S6610	2			50		2	
	GE-II - INFO. TECH.-II	G6610	2			50		2	


**CHAIRMAN, BOS
COMPUTER SCIENCE
ANWAR ULULOOM COLLEGE**


Associate Professor
Dept of Maths O.U


DEAN

School of Computer Science & IT
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DEPARTMENT OF COMPUTER SCIENCE

STRUCTURE OF MODEL CURRICULUM FOR B.Sc. I, II & III YEAR (CBCS)

Class	Sem	Course/Paper	Code No	T	P	IA	Exam	Total	Credits	
B.Sc. First Year (Batch- 2021-22)	I	Paper - I (Theory)	6110	4		20	80	100	4	
		Programming in C								
		Paper - I (C-LAB)	6110P			3			1	
	II	AECC-I - ENV. STUDS.	A6110	2			50	50	2	
		Paper - II (Theory)	6210	4			20	80	100	4
		Programming in C++								
B.Sc. Second Year (Batch- 2020 -21)	III	Paper - II (C++-LAB)	6210P		3		50	50	1	
		AECC-II	A6210	2			50	50	2	
		Basic Computer Skills								
		Paper -III (Theory)	6310	4			15	35	50	4
	IV	Data Structures								
		Paper -III(DS-LAB)	6310P			2		25	25	1
B.Sc. Third Year (Batch- 2019-20)	V	SECC-I - PYTHON-I	6310A1	2			50	50	2	
		SECC-II	6310A2	2			50	50	2	
		Software Engineering								
	VI	Paper -IV (Theory)	6410	4			15	35	50	4
		DBMS								
		Paper -IV(DBMS- LAB)	6410P			2		25	25	1
B.Sc. Third Year (Batch- 2019-20)	V	SECC-III- PYTHON-II	A6410	2			50	50	2	
		SECC-IV- Data Science	A6410	2			50	50	2	
		Paper -V (Theory)	6510	4			15	35	50	4
	VI	OPTIONALS:								
		1) Programming in JAVA								1
		OR								
B.Sc. Third Year (Batch- 2019-20)	V	2) Operating System								
		Paper -V-(Practical)	6510P		2		25	25	1	
		SECC-III- Soft. Engg.	S6510	2			50	50	2	
	VI	GE-I- INFO.TECHY-I	G6510	2			50	50	2	
		Paper -VI	6610A	4			15	35	50	4
		OPTIONALS:								
VI	1) Web Technology									
	OR									
	2) Computer Networks									
VI	Paper -VI (Practical)	6610AP	2	2			25		1	
	SECC-IV -DATA SCI.	S6610	2				50		2	
	GE-II - INFO. TECH.-II	G6610	2				50		2	

Mahabub

**CHAIRMAN, BOS
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ANWARUL ULOOM COLLEGE**

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Anwarul Uloom College (Autonomous)

New Mallepally, Hyderabad
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Department of Comp. Sci. & Engineering Paper Titles & Marks Details (Course Structure & Scheme of Examinations)

S. No.	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
						Max.	Min.			
B. Sc. (CSE) Ist Year, I – Semester (CBCS)										
Theory										
1	I	0106	English	4 Hrs	20	80	32	100	4	3 Hrs
2	II	7141	Mathematics – I	4 Hrs	20	80	32	100	4	3 Hrs
3	III	7142	Electrical Circuits & Machines	4 Hrs	20	80	32	100	4	3 Hrs
4	IV	7143	Introduction to Information Technology	4 Hrs	20	80	32	100	4	3Hrs
5	V	7144	Programming in C	4 Hrs	20	80	32	100	4	3 Hrs
6	VI	A7145	AECC-I:Environmental Studies	2 Hrs	—	50	20	50	2	2 Hrs
Practicals										
7	VII	7142P	E C M Lab	2 Hrs	—	50	20	50	1	2 Hrs
8	VIII	7143P	I I T Lab	2 Hrs	—	50	20	50	1	2 Hrs
9	IX	7144P	Programming in C Lab	2 Hrs	—	50	20	50	1	2 Hrs
Total				28 Hrs				700	25	
B. Sc. (CSE) Ist Year, II – Semester (CBCS)										
Theory										
1	I	0206	English	4 Hrs	20	80	32	100	4	3 Hrs
2	II	7246	Mathematics – II	4 Hrs	20	80	32	100	4	3 Hrs
3	III	7247	Physics	4 Hrs	20	80	32	100	4	3 Hrs
4	IV	7248	Electronic Devices & Circuits	4 Hrs	20	80	32	100	4	3 Hrs
5	V	7249	Programming in Unix	4 Hrs	20	80	32	100	4	3 Hrs
6	VI	A7250	AECC-II:Basic Comp Skills	2 Hrs	—	50	20	50	2	2 Hrs
Practicals										
7	VII	7247P	Physics Lab	2 Hrs	—	50	20	25	1	2 Hrs
8	VIII	7248P	E D C Lab	2 Hrs	—	50	20	25	1	2 Hrs
9	IX	7249P	Unix Prog. Lab	2 Hrs	—	50	20	25	1	2 Hrs
Total				28 Hrs				700	25	

AECC – Ability Enhancement Compulsory Course

Head of the Department

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Department of Comp. Sci. & Engineering Paper Titles & Marks Details (Course Structure & Scheme of Examinations)

S. No.	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
						Max.	Min.			
B. Sc. (CSE) 2nd Year, III – Semester (CBCS)										
Theory										
1	I	0306	English	4 Hrs	15	35	14	50	4	2 Hrs
2	II	7351	Mathematics – III	4 Hrs	15	35	14	50	4	2 Hrs
3	III	7352	Digital Logical Design	4 Hrs	15	35	14	50	4	2 Hrs
4	IV	7353	Operating Systems	4 Hrs	15	35	14	50	4	2 Hrs
5	V	7354	OOPS through C++	4 Hrs	15	35	14	50	4	2 Hrs
6	VI	S7355	SECC-I:M-Commerce	2 Hrs	—	50	20	50	2	2 Hrs
7	VII	S7456	SECC-II:Software Engineering	2 Hrs	—	50	20	50	2	2 Hrs
Practicals										
8	VIII	7352 P	D L D Lab	2 Hrs	—	25	13	25	1	2 Hrs
9	IX	7353 P	O S Lab.	2 Hrs	—	25	13	25	1	2 Hrs
10	X	7354 P	OOP through c++ Lab	2 Hrs	—	25	13	25	1	2 Hrs
Total				28 Hrs				375	25	
B. Sc. (CSE) 2nd Year, IV – Semester (CBCS)										
1	I	0406	English	4Hrs	15	35	14	50	4	2 Hrs
2	II	7456	Probability & Statistics	4 Hrs	15	35	14	50	4	2 Hrs
3	III	7457	Microprocessor 8086 & Interfacing	4 Hrs	15	35	14	50	4	2 Hrs
4	IV	7458	Data Structures	4 Hrs	15	35	14	50	4	2 Hrs
5	V	7459	Java Programming	4 Hrs	15	35	14	50	4	2 Hrs
6	VI	S7460	SECC-III : PHP AND MYSQL	2 Hrs	—	50	20	50	2	2 Hrs
7	VII	S7461	SECC-IV : SCI-LAB	2Hrs	—	50	20	50	2	2Hrs
Practicals										
7	VII	7457 P	M P 8086 & Interfacing Lab	2 Hrs	—	25	13	25	1	2 Hrs
8	VIII	7458 P	Data Structure Lab.	2 Hrs	—	25	13	25	1	2 Hrs
9	IX	7459 P	JavaProgramming Lab	2 Hrs	—	25	13	25	1	2 Hrs
Total				28 Hrs				375	25	

SECC – Skill Enhancement Compulsory Course

Head of the Department
Dept of Computer Science
No. 60/1000 Mallepally, Hyd-1, A.P.



Anwarul Uloom College (Autonomous)

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Department of Comp. Sci. & Engineering Paper Titles & Marks Details (Course Structure & Scheme of Examinations)


S. No.	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
						Max.	Min.			
B. Sc. (CSE) 3rd Year, V – Semester (Non CBCS)										
Theory										
1	I	7561	Computer Networks	5Hrs	20	80	32	100	5	3 Hrs
2	II	7562	Compiler Construction	5Hrs	20	80	32	100	5	3 Hrs
3	III	7563	Object oriented analysis and design	5 Hrs	20	80	32	100	5	3 Hrs
4	IV	7564	Modern Data Base Management System	5Hrs	20	80	32	100	5	3 Hrs
Practicals										
5	V	7563P	OOAD-Lab	4 Hrs	—	50	25	50	2	2Hrs
6	VI	7564P	M D B M S Lab	4 Hrs	—	50	25	50	2	2Hrs
7	VII	S7565	SECC-III : PHP AND MYSQL	2Hrs	—	50	20	50	2	2Hrs
8	VIII	G7565	GE-1 : Information Technologies	2Hrs	—	50	20	50	2	2Hrs
Total				32Hrs				600	28	
B. Sc. (CSE) 3rd Year, VI – Semester (Non CBCS)										
1	I	7666	Internet of Things	5Hrs	20	80	32	100	5	3 Hrs
2	II	7667	Web Programming	5Hrs	20	80	32	100	5	3 Hrs
3	III	7668	Introduction to Data science & Python Programming	5Hrs	20	80	32	100	5	3 Hrs
Practicals										
4	IV	7667P	Web Programming Lab	4 Hrs	—	50	25	50	2	2Hrs
5	V	7668P	Python Programming Lab	4Hrs	—	50	25	50	2	2Hrs
6	VI	7670P	Project and Seminar	5Hrs	20	80	32	100	5	3 Hrs
7	VII	S7565	SECC-IV : SCI-LAB	2Hrs	—	50	20	50	2	2Hrs
8	VIII	G 7679	GE-II- Basic Web Designing	2Hrs	—	50	20	50	2	2Hrs
Total				32 Hrs				600	28	

GE-General Elective

Head of the Department

Department of Computer Science & Engg.
U. Uloom Mallepally, Hyd-2. A.P.

2021 - 2022

 ANWARUL ULOOM COLLEGE DEPARTMENT OF ELECTRONICS COURSE DETAIL Course/Paper		Code No.	Teaching Hours Per week	No of Credits	
Semester					
3 rd Year	IV	Paper -IV (Theory)			
		Applications of Operational Amplifier and Communication	6412	4hrs	4
		Paper-IV(AOP&C-LAB)	6412P	2hrs	1
		SECC-III PIC & ATMEL Microcontroller	A6512	2hrs	2
		SECC-IV Microprocessor & Microcontroller	I6612	2hrs	2
	V	Paper V(Elective)			
		Digital Electronics(Theory)**Elective -I	6512	4hrs	4
		Digital Electronics (Lab)	6512P	2hrs	1
		Microprocessor8085(Theory)**Elective-II	6513	4hrs	4
		Microprocessor8085 (Lab)	6513P	2hrs	1
		SECC-III Data Communications and Computer Network	A6512	2hrs	2
		GE-I Information technology-I	G6513	2hrs	2
VI	Paper -VI(Elective)				
	Fundamental of Embedded Systems (Theory)**Elective-I (ES-LAB)	6612	4hrs	4	
		6612P	2hrs	1	
	Microcontroller8051(Theory)**Elective-II (MP 8051-LAB)	6613	4hrs	4	
		6613P	2hrs	1	
	SECC-IV Mobile Celluler communication	I6612	2hrs	2	
	GE -II Information technology -II	G6613	2hrs	2	

Signature
CHAIRMAN
 Board of Studies in Electronics
 Osmania University
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 T.S.

ANWARUL ULOOM COLLEGE. DEPARTMENT OF ELECTRONICS

Signature
Head of the Dept of Electronics.
Anwar-ul-uloom College, Malleshpally
Hyderabad.

ANWARUL ULOOM COLLEGE (Autonomous)

(Affiliated to Osmania University)

Syllabus (CBCS), Department of Electronics

B.Sc. 1st Year(2021-2022)





Semester - I Total Credit = 7

Paper	Title	Units	HP W	Credits	Int Marks	Ext Marks	Total Marks	Exam Duration (hrs.)
Paper - I (Theory)	Circuit Analysis	4	4	4	20	80	100	3 hrs.
Paper - I (Lab)	Circuit Analysis	---	2	1	---	50	50	3 hrs.
AECC - I	Environmental Science	2	2	2	---	50	50	2 hrs.

Semester - II Total Credit = 7

Paper	Title	Units	HP W	Credits	Int Marks	Ext Marks	Total Marks	Exam Duration (hrs.)
Paper - II (Theory)	Electronics Devices	4	4	4	20	80	100	3 hrs.
Paper - II (Lab)	Electronics Devices	---	2	1	---	50	50	3 hrs.
AECC - II	Basics Computer Skills	2	2	2	---	50	50	2 hrs.


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DEPARTMENT OF ELECTRONICS, ANWARUL ULOOM COLLEGE

ANWARUL ULOOM COLLEGE (Autonomous)

(Affiliated to Osmania University)

Syllabus (CBCS), Department of Electronics

B.Sc. 2nd Year (2021-2022) / 2020 - 2021 Batch Year



		Semester - III		Total Credit = 9				
Paper	Title	Units	H P W	Credits	Int Marks	Ext Marks	Total Marks	FINAL EXAM TIME
Paper - III (Theory)	Power Supplies and Analog Circuits	4	4	4	15	35	50	2 hrs.
Paper - III (Lab)	Power Supplies and Analog Circuits	---	2	1	---	25	25	2 hrs.
SECC - I	Digital Signal Processing	2	2	2	---	50	50	2 hrs.
SECC-II	Modern Communication System	2	2	2	---	50	50	2 hrs.

		Semester - IV		Total Credit = 9				
Paper	Title	Units	H P W	Credits	Int Marks	Ext Marks	Total Marks	FINAL EXAM TIME
Paper - IV (Theory)	Applications of Operational Amplifier and Communication	4	4	4	15	35	50	2 hrs.
Paper - IV (Lab)	Applications of Operational Amplifier and Communication	---	2	1	---	25	25	2 hrs.
SECC - III	PIC and ATMEL Microcontroller	2	2	2	---	50	50	2 hrs.
SECC-IV	Microprocessor and Microcontroller	2	2	2	---	50	50	2 hrs.

[Signature]
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Head of the Dept. of Electronics,
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Hyderabad.

ANWARUL ULOOM COLLEGE (Autonomous)

(Affiliated to Osmania University)

Syllabus (CBCS), Department of Electronics

B.Sc. 3rd Year (2021-2022) / 2019 - 2020 Batch Year



Paper	Title	Semester - V		Total Credit = 9				
		Units	H P W	Credits	Int Marks	Ext Marks	Total Marks	FINAL EXAM TIME
Paper - V (Theory)	Digital Electronics -1	4	4	4	15	35	50	2 hrs.
Paper - V (Lab)	Digital Electronics -1	---	2	1	---	25	25	2 hrs.
SECC - III	Data Communications and Computer Network	2	2	2	---	50	50	2 hrs.
GE-I	Information Technology - 1	2	2	2	---	50	50	2 hrs.

Paper	Title	Semester - VI		Total Credit = 9				
		Units	H P W	Credits	Int Marks	Ext Marks	Total Marks	FINAL EXAM TIME
Paper - VI (Theory)	Microcontroller 8051 - 2	4	4	4	15	35	50	2 hrs.
Paper - VI (Lab)	Microcontroller 8051 - 2	---	2	1	---	25	25	2 hrs.
SECC - IV	Mobile cellular Communication	2	2	2	---	50	50	2 hrs.
GE-II	Information Technology - 2	2	2	2	---	50	50	2 hrs.

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Signature
 Head of the Dept of Electronics,
 Anwar-ul uloom College, Malleshpally
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DEPARTMENT OF ELECTRONICS, ANWARUL ULOOM COLLEGE

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 Mallepally, Hyderabad - 500 001.



DEPARTMENT OF ELECTRONICS

2021 - 2022

COURSE DETAIL.

Class	Semester	Course/Paper	Code No.	Teaching Hours Per week	No of Credits
1st Year	I	Paper - I (Theory)	6112	4hrs	4
		Circuit Analysis Paper - I (CA-LAB)	6112P	3hrs	1
		AECC-I Environmental Studies	A6112	2hrs	2
	II	Paper - II (Theory)	6212	4hrs	4
		Electronic Devices Paper -II (ED-LAB)	6212P	3hrs	1
		AECC-II Basic Computer Skills	A6212	2hrs	2
2nd Year	III	Paper -III (Theory)			
		Power Supplies & Analog Circuits Paper -III(PS & AC-LAB)	6312	4hrs	4
			6312P	2hrs	1
		(SECC-I) Digital Signal Processing	A6312	2hrs	2
		(SECC_II) Modern communication System	16412	2hrs	2

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ANWARUL ULOOM COLLEGE. DEPARTMENT OF ELECTRONICS

Mubahameed
 Head of the Dept. of Electron
 anwar-ul-uloom College, Mallepally
 Hyderabad.

ANWARUL ULOOM COLLEGE (AUTONOMOUS)

Minority Institution Affiliated to Osmania University, Hyderabad)
Accredited by NAAC with 'A' Grade

B.A/B.Com (All Streams) B.Sc (All Streams) & BBA (CBCS)
(W.E.F. 2021-22)

Department of English


Course Structure

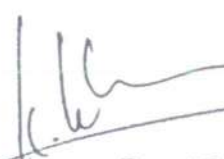
Semester	Subject	Units	HPW	Credits	Internal	External	Total	Duration
1 Sem.	English-I	4	4	4	20	80	100	3 Hrs.
AECC-I	Environmental Studies	2	2	2		50	50	2 Hrs.
II Sem.	English-II	4	4	4	20	80	100	3 Hrs.
AECC-II	Basic Computer Skills	2	2	2		50	50	2 Hrs.
III Sem.	English-III	3	3	3	15	35	50	2 Hrs.
SECC-I	Soft Skills	2	2	2		50	50	2 Hrs.
SECC-II	Different Modes of Writing in English	2	2	2		50	50	2 Hrs.
IV Sem.	English - IV	3	3	3	15	35	50	2 Hrs.
SECC-III	Communication Skills	2	2	2		50	50	2 Hrs.
SECC-IV	Vocabulary in Introduction	2	2	2		50	50	2 Hrs.
V Sem.	English -V	3	3	3	15	35	50	2 Hrs.
GE-I	LS.R.W. Skills	2	2	2		50	50	2 Hrs.
VI Sem.	English -VI	3	3	3	15	35	50	2 Hrs.
GE-II	Grammar	2	2	2		50	50	2 Hrs.

2021-22

20-21

19-20


21/03/2022
Chairman
Board of Studies
Department of English


Capt. Dr. Kausar Begum Khan
Head Department of English
Anwar Uloom Degree College For Women
Mallepally, Hyderabad-T.S.

ANWARUL ULOOM COLLEGE (AUTONOMOUS)

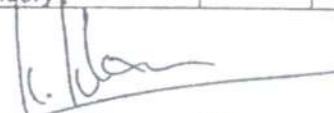
Minority Institution Affiliated to Osmania University, Hyderabad)

Accredited by NAAC with 'A' Grade

B. A (EHP) - ENGLISH LITERATURE

(W.E.F.2021-22)

SEMESTER	SUBJECT TITLE /	UNITS	HPW	CREDITS	INTERNAL	EXTERNAL	TOTAL	Duration
I DSC	Introduction to English Language and Literature	5	5	5	20	80	100	3
AECC-I	Environmental Studies	2	2	2		50	50	2
I DSC	English Poetry,	5	5	5	20	80	100	3
AECC-II	Basic Computer Skills	2	2	2		50	50	2
II DSC	English Drama	5	5	5	20	80	100	3
AECC-I	Soft skills	2	2	2		50	50	2
AECC-II	Different Modes of Writing in English	2	2	2		50	50	2
V	English Fiction	5	5	5	20	80	100	3
AECC-III	Communication Skills	2	2	2		50	50	2
AECC-IV	Vocabulary an Introduction	2	2	2		50	50	2
V DSC	English Discipline Specific Elective(DSE) A. Modern Indian Literature or B. Women's Writing,	5	5	5	20	80	100	3
AE	English Generic Elective(GE) English for Academic and Professional Purposes	4	4	4	20	80	100	3
VI	English Discipline Specific Elective(DSE) A. American Literature B. Contemporary World Literature.	4	4	4	20	80	100	3
English Project Paper/Theory	Project/ Literary Criticism and Theory	4		4		100	100	3


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M.A. Previous (CBCS) Semester I & II (Course Structure & Scheme of Examinations)

S. No.	Paper No.	Code No.	Title	Hours /Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam .
						Max	Min			
M. A. English 1st Year, 1 - Semester (CBCS)										
1	I	101	The English Language: History, Description and Practice	5Hrs	20	80	32	100	5	3 Hrs
2	II	102	English Poetry	5 Hrs	20	80	32	100	5	3 [lib
3	III	103	English Drama	5 Mrs	20	80	32	100	5	3 Hrs
4	IV	104	The English Language and Phonetics	5 Hrs	20	80	32	100	5	3 Hrs
5	V	105	Modern Indian Literatures in Translation	5 Hrs	20	80	32	100	5	3 Hrs
6	VI	116	Seminar I	1 Hrs	---	25	---	25	1	2 Hrs
Total				25Hrs				550	26	
M. A. English 1st Year, II - Semester (CBCS)										
1	I	201	English Language Teaching: History, Approaches and Methods	5 Hrs	20	80	32	100	5	3 Hrs
2	II	202	English Prose	5 Hrs	20	80	32	100	5	3 Hrs
3	III	203	English Fiction	5 Hrs	20	80	32	100	5	3 Hrs
4	IV	204	Women's writing	4 Hrs	20	80	32	100	5	3 Hrs
5	V	205	Twentieth Century Literary Criticism and Theory	4 Hrs	20	80	32	100	5	3 Hrs
6	VI	216	Seminar II	1 Hrs	---	25	---	25	1	2 Hrs
Total				25Hrs				550	26	

Tutorials: 2hours per week- No Credits

Notes:

For each paper there will be semester examination for 80 marks and 20 marks for internal assessment (15marks for tests (average of the two tests) and 5 marks for assignment in the subject).

Capt. Dr. Kausar Begum Khan
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ANWARUL ULOOM COLLEGE (AUTONOMOUS)

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Accredited by NAAC with 'A' Grade

M.A. Final (CBCS) Semester III & IV (Course Structure & Scheme of Examinations)

S. No.	Paper No.	Code No.	Title	Hours /Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam .
						Max	Min			
M. A. English 2nd Year, III-Semester (CBCS)										
1	I	301	English Language Teaching: Classroom Techniques and Practical English	5Hrs	20	80	32	100	5	3 Hrs
2	II	302	American Literature — 1	5 Hrs	20	80	32	100	5	3 [lib
3	III	303	Indian Writing in English — 1	5 Mrs	20	80	32	100	5	3 Hrs
4	IV	304	Postcolonial Literatures	4 Hrs	20	80	32	100	5	3 Hrs
5	V	305	Literature and Film	5 Hrs	20	80	32	100	4	3 Hrs
6	VI	136	IDE : Employability Skills	2 Hrs	---	50	---	20	2	2 Hrs
Total				25 Hrs				550	26	
M. A. English 2nd Year, IV-Semester (CBCS)										
1	I	401	English Language Teaching: Major Developments in L1 & L2 (5 credits)	5 Hrs	20	80	32	100	5	3 Hrs
2	II	402	American Literature - 11 (5 Credits)	5 Hrs	20	80	32	100	5	3 Hrs
3	III	403	English Writing in English - II (5 Credits)	5 Hrs	20	80	32	100	5	3 Hrs
4	IV	404	*(a) Academic Writing & Research Methodology (4 credits) (b)Fourth World Literatures	4 Hrs	20	80	32	100	5	3 Hrs
5	V	405	*(a) Project Work (4 credits)	5 Hrs	20	80	32	100	4	3 Hrs
6	VI	146	IDE: Report Writing Reporting Events	2 Hrs	---	50	--	20	2	2 Hrs
Total				25Hrs				550	26	

Tutorials: 2 hours per week- No Credits

Notes:

For each paper there will be semester examination for 80 marks and 20 marks for internal assessment [15marks for tests (average of the two tests) and 5 marks for assignment in the subject].

Capt. Dr. Kausar Begum Khan
Head Department of English
Anwar Uloom Degree College For Women
Mallepally, Hyderabad-T S.

COURSE DETAILS: B.Sc., SUBJECT:PHYSICS

For M.P.C ** M.P.E ** and M.P.Cs. Students**



Semester / Batch Year	Course/ Paper	Code No.	THPW	No. of Credits
I 2021-22	Paper – I (Theory) Mechanics	6118	4 hours	4
	Paper – I Mechanics Lab	6118P	2 hours	1
	AECC-I Environmental Science		2 hours	2
II 2021-22	Paper – II (Theory) Thermal Physics	6218	4 hours	4
	Paper – III Thermal Physics Lab	6218P	2 hours	1
	AECC-II Basic Computer Skills		2 hours	2
III 2020-21	Paper – III (Theory) Electromagnetic Theory	6318	4 hours	4
	Paper – III Electromagnetic Theory Lab	6318P	2 hours	1
	SECC-I Solar Energy and its Collectors		2 hours	2
	SECC-II Storage and Utilization of Solar Energy		2 hours	2
IV 2020-21	Paper – IV (Theory) Waves & Optics	6418	4 hours	4
	Paper – IV Optics Lab	6418P	2 hours	1
	SECC-III Solar Energy		2 hours	2
	SECC-IV Chemical Energy		2 hours	2
V 2019-20	Paper – V (Elective) A: Modern Physics (Theory) ** Elective - I	6518A	4 hours	4
	A: Modern Physics (Lab)	6518A P	2 hours	1
	(OR) B: Computational Physics (Theory) ** Elective - II		4 hours	4
	B: Computational Physics (Lab)	6518B	2	1
	SECC-III Solar Energy	6518BP	hours	2
	GE-I Mechanical Energy		2 hours	2
VI 2019-20	Paper – VI (Elective) A: Electronics (Theory) ** Elective - I	6618A	4 hours	4
	A: Electronics (Lab)	6618P	2 hours	1
	(OR) B: Applied Optics ** Elective - II	6618B	4 hours	4
	B: Applied Optics (Lab)	6618BP	2 hours	1
	SECC-IV Chemical Energy		2 hours	2
	GE-II Geothermal Energy		2 hours	2

Chairman BOS, Dept. of Physics
ANWAR-UL-ULOOM COLLEGE
Mallepally, Hyderabad-500 001.

ANWARUL ULOOM COLLEGE (Autonomous)

(Affiliated to Osmania University)

Department of Physics

B.Sc. 1st Year (2021-2022)

Syllabus (CBCS)



		Semester - I		Total Credit = 7				
Paper	Title	Units	HPW	Credits	Int. Marks	Ext. Sem. Marks	Total Marks	Exam Duration (hrs)
Paper - I (Theory)	Mechanics	4	4	4	20	80	100	3 hrs
Paper - I (Lab)	Mechanics Lab	---	2	1	---	50	50	3 hrs
AECC - I	Environmental Science	2	2	2	---	50	50	2 hrs

		Semester - II		Total Credit = 7				
Paper	Title	Units	HPW	Credits	Int. Marks	Ext. Sem. Marks	Total Marks	Exam Duration (hrs)
Paper - II (Theory)	Thermal Physics	4	4	4	20	80	100	3 hrs
Paper - II (Lab)	Thermal Physics Lab	---	2	1	---	50	50	3 hrs
AECC - II	Basics Computer Skills	2	2	2	---	50	50	2 hrs

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 Chairman BOS, Dept. of Physics
 ANWAR-UL-ULOOM COLLEGE
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ANWARUL ULOOM COLLEGE, DEPARTMENT OF PHYSICS

ANWARUL ULOOM COLLEGE (Autonomous)

(Affiliated to Osmania University)

Department of Physics

B.Sc. 2nd Year (2021-2022) / 2020 - 2021 Batch Year



		Semester - III		Total Credit = 9				
Paper	Title	Units	HPW	Credits	Int. Marks	Ext. Sem. Marks	Total Marks	Exam Duration (hrs)
Paper - III (Theory)	Electromagnetic Theory	4	4	4	15	35	50	2 hrs
Paper - III (Lab)	Electromagnetic Theory Lab	---	2	1	---	25	25	2 hrs
SECC - I	Solar Energy and its Collectors	2	2	2	---	50	50	2 hrs
SECC-II	Storage and Utilization of Solar Energy	2	2	2	---	50	50	2 hrs
		Semester - IV		Total Credit = 9				
Paper	Title	Units	HPW	Credits	Int. Marks	Ext. Sem. Marks	Total Marks	Exam Duration (hrs)
Paper - IV (Theory)	Waves and Optics	4	4	4	15	35	50	2 hrs
Paper - IV (Lab)	Waves and Optics Lab	---	2	1	---	25	25	2 hrs
SECC - III	Solar Energy	2	2	2	---	50	50	2 hrs
SECC-IV	Chemical Energy	2	2	2	---	50	50	2 hrs

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Chairman BOS, Dept. of Physics
ANWAR-UL-ULOOM COLLEGE
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ANWARUL ULOOM COLLEGE (Autonomous)

(Affiliated to Osmania University)

Department of Physics

B.Sc. 3rd Year (2021-2022) / 2019 - 2020 Batch Year

Syllabus (CBCS)



		Semester - V		Total Credit = 9				
Paper	Title	Units	HPW	Credits	Int. Marks	Ext. Sem. Marks	Total Marks	Exam Duration (hrs)
Paper - V (Theory)	Modern Physics Elective - I	4	4	4	15	35	50	2 hrs
Paper - V (Lab)	Modern Physics Lab	---	2	1	---	25	25	2 hrs
SECC - III	Solar Energy	2	2	2	---	50	50	2 hrs
GE-I	Mechanical Energy	2	2	2	---	50	50	2 hrs
		Semester - VI		Total Credit = 9				
Paper	Title	Units	HPW	Credits	Int. Marks	Ext. Sem. Marks	Total Marks	Exam Duration (hrs)
Paper - VI (Theory)	Electronics Elective - I	4	4	4	15	35	50	2 hrs
Paper - VI (Lab)	Electronics Lab	---	2	1	---	25	25	2 hrs
SECC - IV	Chemical Energy	2	2	2	---	50	50	2 hrs
GE-II	Geothermal Energy	2	2	2	---	50	50	2 hrs

Chairman

ANWARUL ULOOM COLLEGE, DEPARTMENT OF PHYSICS

Chairman BOS, Dept. of Physics

ANWAR-UL-ULOOM COLLEGE

Mallepally, Hyderabad-500 001.

ANWARUL ULOOM COLLEGE (Autonomous)

(Affiliated to Osmania University)

Department of Physics

B.Sc. 1st Year (2021-2022)

Syllabus (CBCS)



		Semester - I		Total Credit = 7				
Paper	Title	Units	HPW	Credits	Int. Marks	Ext. Sem. Marks	Total Marks	Exam Duration (hrs)
Paper - I (Theory)	Mechanics	4	4	4	20	80	100	3 hrs
Paper - I (Lab)	Mechanics Lab	---	2	1	---	50	50	3 hrs
AECC - I	Environmental Science	2	2	2	---	50	50	2 hrs

		Semester - II		Total Credit = 7				
Paper	Title	Units	HPW	Credits	Int. Marks	Ext. Sem. Marks	Total Marks	Exam Duration (hrs)
Paper - II (Theory)	Thermal Physics	4	4	4	20	80	100	3 hrs
Paper - II (Lab)	Thermal Physics Lab	---	2	1	---	50	50	3 hrs
AECC - II	Basics Computer Skills	2	2	2	---	50	50	2 hrs

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ANWAR-UL-ULOOM COLLEGE
Mallepally, Hyderabad-500 001.

ANWARUL ULOOM COLLEGE, DEPARTMENT OF PHYSICS

ANWARUL ULOOM COLLEGE, MALLEPALLY, HYDERABAD

M.Sc., PHYSICS PREVIOUS YEAR

(For the batch admitted in 1st Year for the Academic Year 2021-2022)

Scheme of Instruction and Examination

SEMESTER - I



S.No.	Sub. Code	Subject	Instructions Hrs / Week	No. of Credits	Max. Marks
Theory:					
01	P 101	Mathematical Physics	4	4	20 + 80 = 100
02	P 102	Classical Mechanics	4	4	20 + 80 = 100
03	P 103	Quantum Mechanics - I	4	4	20 + 80 = 100
04	P 104	Solid State Physics	4	4	20 + 80 = 100
Practical:					
05	P 105	Heat and Acoustics	6	4	100
06	P 106	Optics	6	4	100
Total			28	24	600
Seminar:					
07	P 107	Seminar - I	1	1	25

Note:

Out of 100 Marks for each theory paper 20 Marks are allotted for internals and 80 marks for Theory exams. There shall be no internal assessment examinations for Practical. Practical Examinations will be conducted at the end of each Semester.

For Seminar-I course out of 25 marks paper 5 marks are allotted for the hard copy of the topic given and 20 marks for the Seminar Deliver.

Pattern of Question Paper: The Question paper consists of two parts, each covering all the four units.

Part - A: Consists of Eight (8) short note questions, (two from each unit), carrying 4 marks each.

The student has to answer all the questions

Part -B: Consists of Four (4) essay type questions with an internal choice. Each questions carries 12 marks.

ANWARUL ULOOM COLLEGE, MALLEPALLY, HYDERABAD

M.Sc., PHYSICS PREVIOUS YEAR

(For the batch admitted in Ist Year for the Academic Year 2021-2022)

Scheme of Instruction and Examination

SEMESTER - II



S.No.	Sub. Code	Subject	Instructions Hrs / Week	No. of Credits	Max. Marks
Theory:					
01	P 201	Electromagnetic Theory	4	4	20 + 80 = 100
02	P 202	Statistical Mechanics	4	4	20 + 80 = 100
03	P 203	Quantum Mechanics - II	4	4	20 + 80 = 100
04	P 204	Electronics	4	4	20 + 80 = 100
Practical:					
05	P 205	Electronics	6	4	100
06	P 206	Computer Programming	6	4	100
Total			28	24	600
Seminar:					
07	P 207	Seminar - II	1	1	25

Note:

Out of 100 Marks for each theory paper 20 Marks are allotted for internals and 80 marks for Theory exams. There shall be no internal assessment examinations for Practical. Practical Examinations will be conducted at the end of each Semester.

For Seminar-II course out of 25 marks paper 5 marks are allotted for the hard copy of the topic given and 20 marks for the Seminar Deliver.

Pattern of Question Paper: The Question paper consists of two parts, each covering all the four units.

Part - A: Consists of Eight (8) short note questions, (two from each unit), carrying 4 marks each.

The student has to answer all the questions

Part -B: Consists of Four (4) essay type questions with an internal choice. Each questions carries 12 marks.

ANWARUL ULOOM COLLEGE, MALLEPALLY, HYDERABAD

M.Sc., PHYSICS FINAL YEAR

(For the batch admitted in Final Year for the Academic Year 2021-2022)



Scheme of Instruction and Examination

SEMESTER - III

S.No.	Sub. Code	Subject	Instructions Hrs / Week	No. of Credits	Max. Marks
Theory:					
01	P 301	Modern Optics	4	4	20 + 80 = 100
02	P 302	Advanced Solid State Physics	4	4	20 + 80 = 100
03	PEI 303	Digital Logic Circuits	4	4	20 + 80 = 100
04	PEI 304	Microprocessors, DSPs & Interfacing	4	4	20 + 80 = 100
05	PEI 305	Electronic Instrumentation	4	4	20 + 80 = 100
Practical:					
06	P 306	Spectroscopy	6	4	100
07	P 307	Analog and Digital Simulation	6	4	100
Total			32	28	700
IDE - Course:					
08	P 308	Principles of Electrical Appliances	3	2	50

Note:

Out of 100 Marks for each theory paper 20 Marks are allotted for internals and 80 Marks for Theory exams. There shall be no internal assessment examinations for Practical. Practical Examinations will be conducted at the end of each Semester.

For IDE course Principles of Electrical Appliances 50 Marks for Theory Exam.

Pattern of Question Paper: The Question paper consists of two parts, each covering all the four units.

Part - A: Consists of Eight (8) short note questions, (two from each unit), carrying 4 marks each.

The student has to answer all the questions

Part -B: Consists of Four (4) essay type questions with an internal choice. Each questions carries 12 marks.

ANWARUL ULOOM COLLEGE, MALLEPALLY, HYDERABAD

M.Sc., PHYSICS FINAL YEAR

(For the batch admitted in Final Year for the Academic Year 2021-2022)



Scheme of Instruction and Examination

SEMESTER - IV

S.No.	Sub. Code	Subject	Instructions Hrs / Week	No. of Credits	Max. Marks
Theory:					
01	P 401	Nuclear Physics	4	4	20 + 80 = 100
02	P 402	Spectroscopy	4	4	20 + 80 = 100
03	PEI 403	Embedded Systems And Its Applications	4	4	20 + 80 = 100
04	PEI 404	PC Architecture	4	4	20 + 80 = 100
05	PEI 405	Instrumentation For Measurement, Control, Data Acquisition And Data Transmission	4	4	20 + 80 = 100
Practical:					
06	P 406	Nuclear Physics	6	4	100
07	P 407	Microprocessors (8086) & Microcontroller (8051)	6	4	100
		Total	32	28	700
IDE - Course:					
08	P 408	Solar Energy Utilization	3	2	50

Note:

Out of 100 Marks for each theory paper 20 Marks are allotted for internals and 80 marks for Theory exams. There shall be no internal assessment examinations for Practical. Practical Examinations will be conducted at the end of each Semester.

For IDE course Solar Energy Utilization 50 Marks for Theory Exam.

Pattern of Question Paper: The Question paper consists of two parts, each covering all the four units.

Part - A: Consists of Eight (8) short note questions, (two from each unit), carrying 4 marks each.

The student has to answer all the questions

Part -B: Consists of Four (4) essay type questions with an internal choice. Each questions carries 12 marks.

ANWARUL ULOOM COLLEGE (Autonomous)

(An Autonomous Muslim Minority Institution)

New Mallepally, Hyderabad – 500 001, A.P., India.

(Affiliated to Osmania University)

(Re-Accredited with NACC with A-Grade)

Faculty of Arts /Science /Social Science / Commerce/Business Admn

Department of Urdu (Second Language)

Under Graduate 1st & 2nd Year (CBCS)

Approved Syllabus for the Academic Year 2021-22

Course Structure (2021-22)



S.No	Year	Sem	Paper/Ttile	Teaching Hours W	Units	Credits	Marks		
							Internal Assmnt	End Sem	Total
1	1 st Year	I	Mutala-e-Adab part-I (Urdu Second Language)	4	4	4	20	80	100
2	1 st Year	I	Environmental Science (AECC-I)	2	2	2	-	50	50
3	1 st Year	II	Mutala-e-Adab Part -1 I (Urdu Second Language)	4	4	4	15	80	100
4	1 st year	II	Basic Computer Skills (AECC-II)	2	2	2	-	50	50
5	2 nd year	III	Muala-e-Adab Part-II (Urdu Second Language)	3	3	3	15	35	50
6	2 nd Year	III	Urdu Sahafat-SECC-I SEC-II						
7	2 nd year	IV	Zauq-e-Adab Part II B	3	3	3	15	35	50
8	2 nd Year	IV	Urdu Sahafat-II SECC III SECC IV	2	2	2	-	50	50

AECC-Ability Enhancement Compulsory Course

SECC-Skill Enhancement Compulsory Course

IDE- Inter Disciplinary Course

HEAD
DEPARTMENT OF URDU
O.U. COLLEGE FOR WOMEN
AUTONOMOUS
MOTHI, HYDERABAD-95.

Dr. Arshia Jabeen
Associate Professor
Dept. of Urdu
School of Humanities
University of Hyderabad
Gachhi Bowli, Hyderabad-46.

Chairman & Head
Dept. of Urdu
Anwarul Uloom College (Autonomous)
New Mallepally, Hyderabad-500001, T. N.

ANWARUL ULOOM COLLEGE (Autonomous)

(An Autonomous Muslim Minority Institution)
New Mallepally, Hyderabad – 500 001, A.P., India.
(Affiliated to Osmania University)



Faculty of Arts

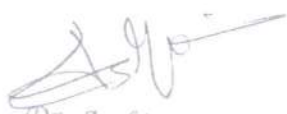
Department of Urdu


(2021-22)

Subjects: Second Language Urdu

S.NO	Name of the Paper	Paper	HPW	Units	Credits	Internal	External	Total
1	I st Sem	Mutala-e-Adab part-1 (Urdu Second Language)	4	4	4	20	80	100
2	II Sem	Mutala-e-Adab part-1 (Urdu Second Language)	4	4	4	20	80	100
3	III Sem	Mutala-e-Adab part-2 (Urdu Second Language)	3	3	3	15	35	50
4	IV Sem	Mutala-e-Adab part-2 (Urdu Second Language)	3	3	3	15	35	50
5	V Sem	Urdu Journalism	3	3	3	15	35	50
6	VI Sem	Urdu Computer and Translation	3	3	3	15	35	50


HEAD
DEPARTMENT OF URDU
O.U COLLEGE FOR WOMEN
AUTONOMOUS
KOTHI, HYDERABAD-95.


Dr. Arshia Jabeen
Associate Professor
Dept. of Urdu
School of Humanities
University of Hyderabad
Gachi Bowli, Hyderabad-46.


Chairman & Head
Dept. of Urdu
Anwarul-Uloom College (Autonomous)
New Mallepally, Hyderabad-500001, T.S.

ANWARUL ULOOM COLLEGE (Autonomous)

(An Autonomous Muslim Minority Institution)

New Mallepally, Hyderabad – 500 001, A.P., India.



Faculty of Arts /Science /Social Science Department of Urdu (Modern Language)

B.A (HPML) (CBCS) Approved Syllabus for the Academic Year 2021-22

Course Structure (2021-22)

S.No	Year	Sem	Paper/Title	Teaching Hours W	Units	Credits	Marks		Total
							Internal Assmnt	End Sem	
1	1 st Year	I	Zauq-e-Adab Part 1(A)	5	5	5	20	80	100
2	1 st Year	I	Environmental Studies AECC-I	2	2	2	-	50	50
3	1 st Year	II	Zauq-e-Adab Part 1(B)	5	5	5	20	80	100
4	1 st year	II	Basic Computer Skills (AECC-II)	2	2	2	-	50	50
5	2 nd year	III	Zauq-e-Adab Part II(A) SECC I	5	5	5	15	35	50
6	2 nd year	III	Urdu Sahafat SECC II	2	2	2	-	50	50
7	2 nd Year	IV	Zauq-e-Adab part II B SECC III	5	5	5	15	35	50
8	2 nd Year	IV	Urdu Sahafat SEC IV	2	2	2	-	50	50
9	3 rd year	V	Electives –V A) Adab ka Mutala Or B) Tareeq-e-Adab Urdu	5	5	5	15	35	50
10	3 rd year	V	Introduction to Poet (SECC III Course)	2	2	1	15	35	25
11	3 rd Year	V	Calligraphy (GE-I Course)						
12	3 rd Year	VI	Electives A) Ghalib-0-Iqbal (Ghazlen/Nazmen)	5	5	5	15	35	50
13	3 rd Y	VI	or B) Ghalib-0-Iqbal (Ghazlen/ Nazmen)	5	5	5	15	35	50
14	3 rd Year	VI	Qirat Couse (SECC-IV)	2	2	1	15	35	25

HEAD
DEPARTMENT OF URDU
COLLEGE FOR WOMEN
AUTONOMOUS

Arshia Jabeen
Associate Professor
Dept. of Urdu
School of Humanities
University of Hyderabad
Gachhi Bowli, Hyderabad-46



Anwarul Uloom College (Autonomous)

New Mallepally, Hyderabad
Affiliated to Osmania University
(Re-Accredited with NAAC with A - Grade)



Faculty of Science
Department of Zoology
B. Sc. (B.Z.C., N. Z. C.)
Course Structure in Part - II (2021 - 22)

S. No.	Year	Sem.	Paper / Title	Teaching Hours / Week	Units	Credits	Marks		
							Internal Assessment	External Assessment	Total
1	1 st Year	I	Animal Diversity (Invertebrates) – Theory	4	4	4	20	80	100
2			Animal Diversity (Invertebrates) – Practicals	2	—	1	—	—	50
3			Environmental Science (AECC-I)	2	2	2	—	—	50
4	1 st Year	II	Ecology, Zoogeography & Animal Behavior-Theory	4	4	4	20	80	100
5			Ecology, Zoogeography & Animal Behavior-Practicals	4	—	2	—	—	50
6			Basic computer skills (AECC-II)	2	2	2	—	—	50
7	2 nd Year	III	Animal Physiology	4	4	4	15	35	50
8			Animal Physiology Practicals	2	—	1	—	—	25
9			Vectors – (SECC – I)	2	2	2	—	—	50
			Vermiculture – (SECC – II)	2	2	2	—	—	50
10	2 nd Year	IV	Cell Biology, Genetics & Evolution – Theory	4	4	4	15	35	50
11			Cell Biology, Genetics & Evolution – Practical	2	—	1	—	—	25
12			Apiculture – (SECC – III)	2	2	2	—	—	50
			Biodiversity Conservation & Eco - Tourism – (SECC – IV)	2	2	2	—	—	50

[Signature]
HEAD
Department of Zoology
Anwar-ul-Uloom College (Autonomous)
Mallepally, Hyderabad-T.S.

[Signature]
PROFESSOR
Department of Zoology
UCS, Osmania University,
Hyderabad - 500 007.

13	3 rd Year	V	Zoology V A (Biochemistry and Endocrinology)- Theory	4	4	4	15	35	50
14			Zoology V A ((Biochemistry and Endocrinology) - Practicals (OR)	2	—	1	—	25	25
15			Zoology V B-Laboratory Animals Maintenance and Applications - Theory	4	4	4	15	35	50
16			Zoology V B- - Laboratory Animals Maintenance and Applications - Practicals	2	—	1	—	25	25
17			Apiculture - (SECC - III)	2	2	2	—	50	50
18			Integrated Pest Management - (G E - I)	2	2	2	—	50	50
19	3 rd Year	VI	Zoology VI A (Fisheries & Limnology) - Theory	4	4	4	15	35	50
20			Zoology VI A (Fisheries & Limnology) - Practicals (OR)	2	—	1	—	25	25
21			Zoology VI B (Immunology & Biotechnology) - Theory	4	4	4	15	35	50
22			Zoology VI B (Immunology & Biotechnology) - Practicals	2	—	1	—	25	25
23			Biodiversity Conservation & Eco - Tourism - (SECC - IV)	2	2	2	—	50	50
24			G E - II Preventive Medicine	2	2	2	—	50	50

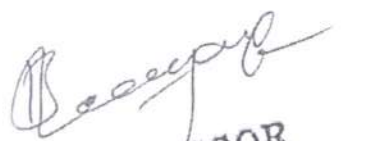
AECC - Ability Enhancement Compulsory Course

SECC - Skill Enhancement Compulsory Course

G E - Generic Elective



Head of the Department



PROFESSOR
Department of Zoology
UCS, Osmania University,
Hyderabad - 500 007.



Anwarul Uloom College, (Autonomous)

New Mallepally, Hyderabad, TS

Affiliated to Osmania University

(Re-Accredited with NAAC with A- Grade)

Bachelor of Arts, Bachelor of Commerce, Bachelor of Science and

Bachelor of Business Administration

Department of Arabic (Second Language)

Under Graduate 1st & 2nd year (CBCS)

(Approved Syllabus for the Academic year 2020-2021)

Course Structure (2020-2021)

S. No	Year	Sem	Paper / Title	Teaching Hours / Week	Units	Credits	MARKS		
							Internal Assessment	End Semester	Total
1	1 st year	I	Arabic – I Annasrul Qadeem, Annasrul Jadeed, Qavaeed, Tariqul Adabi Arabi (Arabic Second Language)	4	4	4	15	35	50
2			Environmental Studies (AECC- I)	2	2	2	-	50	50
3	1 st year	II	Arabic – II Annasrul Qadeem, Annasrul Jadeed, Qavaeed, Tariqul Adabi Arabi (Arabic Second Language)	4	4	4	15	35	50
4			Basic Computer Skills (AECC- I)	2	2	2	-	50	50
5	2 ND year	III	Arabic – III (Arabic Second Language) Annasrul Qadeem, Annasrul Jadeed, Qavaeed, Tariqul Adabi Arabi	5	5	5	15	35	50
6			Advance Grammar, Information Technology & Functional Arabic (SECC- I)						
7	2 ND year	IV	Arabic – IV (Arabic Second Language) Annasrul Qadeem, Annasrul Jadeed, Qavaeed, Tariqul Adabi Arabi	5	5	5	15	35	50
8			Advance Grammar, Information Technology & Functional Arabic (SECC- II)	2	2	2	-	50	50

AECC- Ability Enhancement Compulsory Course

SECC – Skill Enhancement Compulsory Course

IDE – Inter Disciplinary Course

Head of the Department

HEAD & CHAIRPERSON
BOARD OF STUDIES
DEPT. OF ARABIC

Anwarul Uloom College (Autonomous)
New Mallepally, Hyderabad.

STRUCTURE OF B.COM(General) DEGREE COURSE w.e.f. ACADEMIC YEAR 2019 onwards

Sl.No.	Code	Course Title	Sem Exam	IA	Total	THPW	Credit
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
FIRST YEAR: SEMESTER-I:							
1.	ELS1	English (First Language)	35	15	50	4 hrs	4
2.	SLS1	Second Language	35	15	50	4 hrs	4
3.	AECC1	a) Environmental Science/ b) Basic Computer Skills	35	15	50	2 hrs	2
4.	DSC101	Financial Accounting-I	35	15	50	5 hrs	5
5.	DSC102	Business Organization and Management	35	15	50	5 hrs	5
6.	DSC103	Foreign Trade	35	15	50	5 hrs	5
		Total				25	25
SEMESTER-II:							
7.	ELS2	English (First Language)	35	15	50	4 hrs	4
8.	SLS2	Second Language	35	15	50	4 hrs	4
9.	AECC2	a) Basic Computer Skills / b) Environmental Science/	35	15	50	2 hrs	2
10.	DSC201	Financial Accounting-II	35	15	50	5 hrs	5
11.	DSC202	Business Laws	35	15	50	5 hrs	5
12.	DSC203	Banking and Financial Services	35	15	50	5 hrs	5
		Total				25	25
SECOND YEAR: SEMESTER-III							
13.	ELS3	English (First Language)	35	15	50	3 hrs	3
14.	SLS3	Second Language	35	15	50	3 hrs	3
15.	SEC1	a)Principles of Insurance/ b)Foundation of Digital Marketing/ c) Fundamentals of Business Analytics	35	15	50	2 hrs	2
16.	SEC2	a)Practice of Life Insurance/ b)Web Design & Analytics/ c) Application of Business Analytics	35	15	50	2 hrs	2
17.	DSC301	Advanced Accounting	35	15	50	5 hrs	5
18.	DSC302	Business Statistics-I	35	15	50	5 hrs	5
19.	DSC303	Financial Institutions and Markets	35	15	50	5 hrs	5
		Total				25	25
SEMESTER – IV							
20.	ELS4	English (First Language)	35	15	50	3 hrs	3
21.	SLS4	Second Language	35	15	50	3 hrs	3
22.	SEC3	a)Practice of General Insurance/ b)Social Media Marketing c)Business Intelligence	35	15	50	2 hrs	2
23.	SEC4	a)Regulation of Insurance Business/ b)Search Engine Optimization & Online Advertising c)Data Visualization & Storytelling	35	15	50	2 hrs	2
24.	DSC401	Income Tax/Excel Foundation	35	15	50	5 hrs	5
25.	DSC402	Business Statistics-II	35	15	50	5 hrs	5
26.	DSC403	Corporate Accounting	35	15	50	5 hrs	5
		Total				25	25

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CHAIRMAN

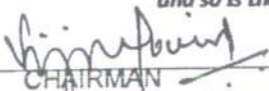
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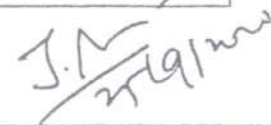
THIRD YEAR:							
SEMESTER-V:							
27.	ELSS	English (First Language)	35	15	50	3hrs	3
28.	SLS5	Second Language	35	15	50	3 hrs	3
29.	GE	Business Economics	35	15	50	4 hrs	4
30.	DSE501	a) Cost Accounting/ b) Financial Planning & Performance/ c) International Financial Reporting-I	35	15	50	5 hrs	5
31.	DSE502	a) Computerized Accounting/ b) Financial Decision Making-I/ c) International Tax & Regulation	35	15P*/ 15IA	50	3T+4P/5 hrs	5
32.	DSE503	a) Auditing/ b) Advanced Corporate Accounting/ c) Financial Management	35	15	50	5 hrs	5
		Total				25	25
SEMESTER - VI							
33.	ELS6	English (First Language)	35	15	50	3 hrs	3
34.	SLS6	Second Language	35	15	50	3 hrs	3
35.	PR	Research Methodology and Project Report	35R	15VV	50	2T+4R	4
36.	DSE601	a) Cost Control and Management Accounting/ b) Financial control/ c) International Financial Reporting-II	35	15	50	5hrs	5
37.	DSE602	a) Theory and Practice of GST/ b) Financial Decision Making-II / c) International Auditing	35	15P*/ 15IA	50	3T+4P/5 hrs	5
38.	DSE603	a) Accounting Standards/ b) Corporate Governance/ c) Investment Management	35	15	50	5 hrs	5
		Total	35	15	50	25	
		GRAND TOTAL			150	156/152	

ELS: English Language Skill; SLS: Second Language Skill; AECC: Ability Enhancement Compulsory Course; SEC: Skill Enhancement Course; DSC: Discipline Specific Course; DSE: Discipline Specific Elective; GE: Generic Elective;

THPW: Teaching hours per week; T: Theory; P: Practical (Two practical classes are considered as One hour of classroom teaching ; IA: Internal Assessment ; PR: Project Report; VV: Viva- Voce Examination.

Note: If a student should opt for "a" in SEC in III semester, the student has to opt for "a" only in IV semester and so is the case with "b" and "c". In the case of DSE also the rule applies.


CHAIRMAN


J.M.

SUMMARY OF CREDITS

SL No.	Course Category	No. of Courses	Credits Per Course	Credits
1	English Language	6	4/3	20
2	Second Language	6	4/3	20
3	AI:CC	2	2	4
4	SEC	4	2	8
5	GE	1	4	4
6	Project Report	1	4	4
7	DSC	12	5	60
8	DSE	6	5	30
	TOTAL	38		150
	Commerce	24		106
CREDITS UNDER NON-CGPA		NSS/NCC/Sports/Extra Curricular	Up to 6 (2 in each year)	
		Summer Internship	Up to 4 (2 in each after I & II years)	

J.S.
25/9/2020



CHAIRMAN
BOARD OF STUDIES IN COMMERCE
ANWARUL ULOOM COLLEGE
AFFILIATED TO OSMANIYA UNIVERSITY
H.No. 330/001 (T.S.)

STRUCTURE OF B.COM.(Comp Appl) DEGREE COURSE w.e.f. ACADEMIC YEAR 2019 onwards							
Sl.No.	Code	Course Title	Sem Exam	LA	Total	THPW	Credits
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
SEMESTER – I							
1.	ELS1	English (First Language)	35	15	50	4 hrs	4
2.	SLS1	Second Language	35	15	50	4 hrs	4
3.	AECC1	a) Environmental Science/ b) Basic Computer Skills	35	15	50	2 hrs	2
4.	DSC101	Financial Accounting-I	35	15	50	5 hrs	5
5.	DSC102	Business Organization and Management	35	15	50	5 hrs	5
6.	DSC103	Fundamentals of Information Technology	35	15P*	50	3T+ 4P	5
Total						25	25
SEMESTER – II							
7.	ELS2	English (First Language)	35	15	50	4 hrs	4
8.	SLS2	Second Language	35	15	50	4 hrs	4
9.	AECC2	a) Basic Computer Skills/ b) Environmental Science	35	15	50	2 hrs	2
10.	DSC201	Financial Accounting-II	35	15	50	5 hrs	5
11.	DSC202	Business Laws	35	15	50	5 hrs	5
12.	DSC203	Object Oriented Programming using JAVA	35	15P*	50	3T+ 4P	5
Total						25	25
SEMESTER – III							
13.	ELS3	English (First Language)	35	15	50	3 hrs	3
14.	SLS3	Second Language	35	15	50	3 hrs	3
15.	SEC1	a) Principles of Insurance/ b) Foundation of Digital Marketing/ c) Fundamentals of Business Analytics	35	15	50	2 hrs	2
16.	SEC2	a) Practice of Life Insurance/ b) Web Design & Analytics/ c) Application of Business Analytics	35	15	50	2 hrs	2
17.	DSC301	Advanced Accounting	35	15	50	5 hrs	5
18.	DSC302	Business Statistics-I	35	15	50	5 hrs	5
19.	DSC303	Relational Database Management System	35	15P*	50	3T+4P	5
Total						25	25
SEMESTER – IV							
20.	ELS4	English (First Language)	35	15	50	3 hrs	3
21.	SLS4	Second Language	35	15	50	3 hrs	3
22.	SEC3	a) Practice of General Insurance/ b) Social Media Marketing c) Business Intelligence	35	15	50	2 hrs	2
23.	SEC4	a) Regulation of Insurance Business/ b) Search Engine Optimization & Online Advertising c) Data Visualisation & Storytelling	35	15	50	2 hrs	2
24.	DSC401	Income Tax/Excel Foundation	35	15	50	5 hrs	5
25.	DSC402	Business Statistics-II	35	15	50	5 hrs	5
26.	DSC403	Web Technologies	35	15P*	50	3T+4P	5
Total						25	25

SEMESTER - V

27.	ELS5	English (First Language)	35	15	50	3hrs	3
28.	SLS5	Second Language	35	15	50	3hrs	3
29.	GE	Business Economics	35	15	50	4hrs	4
30.	DSI:501	a) Cost Accounting/ b) Financial Planning & Performance/ c) International Financial Reporting-I	35	15	50	5hrs	5
31.	DSI:502	a) Computerized Accounting b) Financial Decision Making-I/ c) International Tax & Regulation	35	15P*/15IA	50	3T+4P/ 5hrs	5
32.	DSE:503	a) Management Information Systems/ b) Ecommerce/ c) Mobile Applications	35	15P*	50	3T+4P	5
		Total				25	25

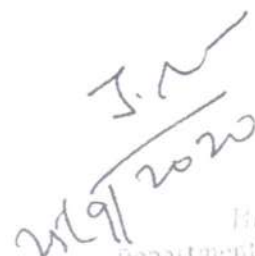
SEMESTER - VI

33.	ELS6	English (First Language)	35	15	50	3 hrs	3
34.	SLS6	Second Language	35	15	50	3 hrs	3
35.	PR	Research Methodology and Project Report				2T+4R	4
36.	DSE:601	a) Cost Control and Management Accounting/ b) Financial control/ c) International Financial Reporting-II	35	15	50	5 hrs	5
37.	DSE:602	a) Theory and Practice of GST/ b) Financial Decision Making-II / c) International Auditing	35	15P*/15I	50	3T+4P/ 5	5
38.	DSE:603	a) Multimedia Systems/ b) Cyber Security/c) Data Analytics	35	15P*	50	5 hrs	5
		Total				25	25
		GRAND TOTAL				150	150

ELS: English Language Skill; SLS: Second Language Skill; AECC: Ability Enhancement Compulsory Course; SEC: Skill Enhancement Course; DSC: Discipline Specific Course; DSE: Discipline Specific Elective; GE: Generic Elective; THPW: Teaching hours per week; T: Theory; P: Practical (Two practical classes are considered as One hour of classroom teaching); IA: Internal Assessment; PR: Project Report; VV: Viva-Voce Examination.



CHAIRMAN
BOARD OF STUDIES IN COMMERCE
ANWARUL ULOOM COLLEGE
AFFILIATED TO OSMANIYA UNIVERSITY
HYDERABAD-500 001 (T.S.)


21/9/2020

Head
Department of
Osmania University
Hyderabad

Note: If a student should opt for "a" in SEC in III semester, the student has to opt for "a" only in IV semester and so is the case with "b" and "c". In the case of DSE also the rule applies.

SUMMARY OF CREDITS

Sl. No.	Course Category	No. of Courses	Credits Per Course	Credits
1	English Language	6	4/3	20
2	Second Language	6	4/3	20
3	AECC	2	2	4
4	SEC	4	2	8
5	GE	1	4	4
6	Project Report	1	4	4
7	DSC	12	5	60
8	DSE	6	5	30
	TOTAL	40		150
	Commerce	24		106
CREDITS UNDER NON-CGPA		NSS/NCC/Sports/Extra Curricular	Up to 6 (2 in each year)	
		Summer Internship	Up to 4 (2 in each after I & II years)	

J.M.
25/9/2020

Department of Commerce
Faculty of Commerce
Anwarul Uloom College



CHAIRMAN
BOARD OF STUDIES IN COMMERCE
ANWARUL ULOOM COLLEGE
AFFILIATED TO OSMANIYA UNIVERSITY
HYDERABAD-500 001 (T.S)

THIRD YEAR:

SEMESTER-V:

27.	EL.S5	English (First Language)	35	15	50	3hrs	3
28.	SL.S5	Second Language	35	15	50	3 hrs	3
29.	GE:	Business Economics	35	15	50	4 hrs	4
30.	DSI:501	a) Cost Accounting/ b) Financial Planning & Performance/ c) International Financial Reporting-I	35	15	50	5 hrs	5
31.	DSI:502	a) Computerized Accounting/ b) Financial Decision Making-I/ c) International Tax & Regulation	35	15	50	3T+4P	5
32.	DSI:503	a) Fundamentals of E-commerce b) Advanced Corporate Accounting c) Financial Management	35	15	50	3T+4P/5 Hrs	5
Total						25	25

SEMESTER - VI

33.	EL.S6	English (First Language)	35	15	50	3 hrs	3
34.	SL.S6	Second Language	35	15	50	3 hrs	3
35.	PR	Research Methodology and Project Report	35	15	50	2T+4R	4
36.	DSI:601	a) Cost Control and Management Accounting/ b) Financial control/ c) International Financial Reporting-II	35	15	50	5hrs	5
37.	DSI:602	a) Theory and Practice of GST/ b) Financial Decision Making-II / c) International Auditing	35	15	50	3T+4P/5 Hrs	5
38.	DSI:603	a) Management information system- (MIS) b) Corporate Governance/ c) Investment Management	35	15	50	3T+4P/5 Hrs	5
Total			35	15	50	25	25
GRAND TOTAL						150	150

Signature
CHAIRMAN

BOARD OF STUDIES IN COMMERCE
ANWARUL ULOOM COLLEGE
AFFILIATED TO COMANUIA UNIVERSITY

J.M
25/9/2020

STRUCTURE OF B.COM. (E-Commerce) DEGREE COURSE w.e.f. ACADEMIC YEAR 2019 onwards

Sl.No.	Code	Course Title	Sem Exam	IA	Total	THPW	Credit
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
FIRST YEAR: SEMESTER-I:							
1.	ELS1	English (First Language)	35	15	50	4 hrs	4
2.	SLS1	Second Language	35	15	50	4 hrs	4
3.	ALCC1	a) Environmental Science/ b) Basic Computer Skills	35	15	50	2 hrs	2
4.	DSC101	Financial Accounting-I	35	15	50	5 hrs	5
5.	DSC102	Business Organization and Management	35	15	50	5 hrs	5
6.	DSC103	Fundamentals of Information Technology	35	15	50	3T+4P/5 Hrs	5
		Total)				25	25
SEMESTER-II:							
7.	ELS2	English (First Language)	35	15	50	4 hrs	4
8.	SLS2	Second Language	35	15	50	4 hrs	4
9.	ALCC2	a) Basic Computer Skills / b) Environmental Science/	35	15	50	2 hrs	2
10.	DSC201	Financial Accounting-II	35	15	50	5 hrs	5
11.	DSC202	Business Laws	35	15	50	5 hrs	5
12.	DSC203	Relational Database Management systems	35	15	50	3T+4P/5 Hrs	5
		Total				25	25
SECOND YEAR: SEMESTER-III							
13.	ELS3	English (First Language)	35	15	50	3 hrs	3
14.	SLS3	Second Language	35	15	50	3 hrs	3
15.	SEC1	a)Principles of Insurance/ b)Foundation of Digital Marketing/ c) Fundamentals of Business Analytics	35	15	50	2 hrs	2
16.	SEC2	a)Practice of Life Insurance/ b)Web Design & Analytics/ c) Application of Business Analytics	35	15	50	2 hrs	2
17.	DSC301	Advanced Accounting	35	15	50	5 hrs	5
18.	DSC302	Business Statistics-I	35	15	50	5 hrs	5
19.	DSC303	Programming with C	35	15	50	3T+4P/5 Hrs	5
		Total				25	25
SEMESTER - IV							
20.	ELS4	English (First Language)	35	15	50	3 hrs	3
21.	SLS4	Second Language	35	15	50	3 hrs	3
22.	SEC3	a)Practice of General Insurance/ b)Social Media Marketing c)Business Intelligence	35	15	50	2 hrs	2
23.	SEC4	a)Regulation of Insurance Business/ b)Search Engine Optimization & Online Advertising c)Data Visualization &Storytelling	35	15	50	2 hrs	2
24.	DSC401	Income Tax/Excel Foundation	35	15	50	5 hrs	5
25.	DSC402	Business Statistics-II	35	15	50	5 hrs	5
26.	DSC403	Object Oriented Programming with C++	35	15	50	3T+4P/5 Hrs	5
		Total				25	25

CHAIRMAN

J.M.
21/9/2020

ELS: English Language Skill; SLS: Second Language Skill; AEC: Ability Enhancement Compulsory Course; SEC: Skill Enhancement Course; DSC: Discipline Specific Course; DSE: Discipline Specific Elective, GE: Generic Elective, T: Theory; P: Practical; I: Internal Exam U: University Exam; PR: Project Report, VV: Viva- Voce Examination.

Note: if a student should opt for "a" in SEC in III semester, the student has to opt for "a" only in IV semester and so is the case with "b" and "c". In the case of DSE also the rule applies.

SUMMARY OF CREDITS

Sl. No.	Course Category	No. of Courses	Credits Per Course	Credits
1	English Language	6	4/3	20
2	Second Language	6	4/3	20
3	AI:CC	2	2	4
4	SEC	4	2	8
5	GE	1	4	4
6	Project Report	1	4	4
7	DSC	12	5	60
8	DSE	6	5	30
	TOTAL	38		150
	Commerce	24		106
CREDITS UNDER NON-CGPA		NSS/NCC/Sports/Extra Curricular	Up to 6 (2 in each year)	
		Summer Internship	Up to 4 (2 in each after I & II years)	

J. M.
20/19/2020

Head
Department of Commerce
Osmania University
Hyderabad - 500 002

Vijay Kumar

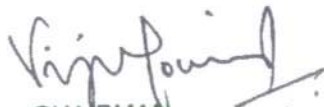
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BOARD OF STUDIES IN COMMERCE
ANWARUL ULOOM COLLEGE
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HYDERABAD-500 001 (T.S.)

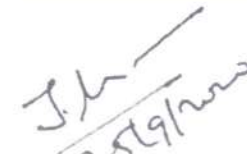
STRUCTURE OF B.COM.(Foreign Trade) DEGREE COURSE w.e.f. ACADEMIC YEAR 2019 onwards							
Sl No	Code	Course Title	Sem Exam	IA	Total	THPW	Credits
(1)	(2)	(3)	(4)	(5)	(7)	(6)	(8)
SEMESTER – I							
1.	ELS1	English (First Language)	35	15	50	4 hrs	4
2.	SLS1	Second Language	35	15	50	4 hrs	4
3.	AECC1	a) Environmental Science/ b) Basic Computer Skills	35	15	50	2 hrs	2
4.	DSC101	Financial Accounting-I	35	15	50	5 hrs	5
5.	DSC102	Business Organization and Management	35	15	50	5 hrs	5
6.	DSC103	Introduction to International Business	35	15	50	5 hrs	5
Total						25	25
SEMESTER – II							
7.	ELS2	English (First Language)	35	15	50	4 hrs	4
8.	SLS2	Second Language	35	15	50	4 hrs	4
9.	AECC2	a) Basic Computer Skills/ b) Environmental Science	35	15	50	2 hrs	2
10.	DSC201	Financial Accounting-II	35	15	50	5 hrs	5
11.	DSC202	Business Laws	35	15	50	5 hrs	5
12.	DSC203	Export Marketing	35	15	50	5 hrs	5
Total						25	25
SEMESTER – III							
13.	ELS3	English (First Language)	35	15	50	3 hrs	3
14.	SLS3	Second Language	35	15	50	3 hrs	3
15.	SEC1	a) Principles of Insurance/ b) Foundation of Digital Marketing/ c) Fundamentals of Business Analytics	35	15	50	2 hrs	2
16.	SEC2	a) Practice of Life Insurance/ b) Web Design & Analytics/ c) Application of Business Analytics	35	15	50	2 hrs	2
17.	DSC301	Advanced Accounting	35	15	50	5 hrs	5
18.	DSC302	Business Statistics-I	35	15	50	5 hrs	5
19.	DSC303	International Business Procedures & Documentation	35	15	50	5 hrs	5
Total						25	25
SEMESTER – IV							
20.	ELS4	English (First Language)	35	15	50	3 hrs	3
21.	SLS4	Second Language	35	15	50	3 hrs	3

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J.A.
27/9/2020

22.	SEC3	a) Practice of General Insurance/ b) Social Media Marketing c) Business Intelligence	35	15	50	2 hrs	2
23.	SEC4	a) Regulation of Insurance Business/ b) Search Engine Optimization & Online Advertising c) Data Visualisation & Storytelling	35	15	50	2 hrs	2
+24.	DSC401	Income Tax/Excel Foundation	35	15	50	5 hrs	5
25.	DSC402	Business Statistics-II	35	15	50	5 hrs	5
26.	DSC403	Corporate Accounting	35	15	50	5 hrs	5
		Total				25	25
SEMESTER V							
27.	ELS5	English (First Language)	35	15	50	3 hrs	3
28.	SLS5	Second Language	35	15	50	3 hrs	3
29.	GE	Business Economics	35	15	50	4 hrs	4
30.	DSE501	a) Cost Accounting/ b) Financial Planning & Performance/ c) International Financial Reporting-I	35	15	50	5 hrs	5
31.	DSE502	a) Computerized Accounting/ b) Financial Decision Making-I/ c) International Tax & Regulation	35	15P* /15I	50	3T+4P/5 hrs	5
32.	DSE503	a) Logistics Management/ b) Advanced Corporate Accounting/ c) Financial Management	35	15	50	5	5
		TOTAL				25	25
SEMESTER - VI							
33.	ELS6	English (First Language)	35	15	50	3 hrs	3
34.	SLS6	Second Language	35	15	50	3 hrs	3
35.	PR	Research Methodology and Project Report				2T+4R	4 credits
36.	DSE601	a) Cost Control and Management Accounting/ b) Financial control/ c) International Financial Reporting-II	35	15	50	5 hrs	5
37.	DSE602	a) Theory and Practice of GST/ b) Financial Decision Making-II / c) International Auditing	35	15P*/15I	3 hrs	3T+4P/5 hrs	5
38.	DSE603	a) Cross-Cultural Consumer and Industrial Buyer Behaviour/ b) Corporate Governance/ c) Investment management	35	15	50	5 hrs	5
		Total				25	25
		GRAND TOTAL				150	150


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E.L.S: English Language Skill; S.L.S. Second Language Skill; AECC: Ability Enhancement Compulsory Course; SEC: Skill Enhancement Course; DSC: Discipline Specific Course; DSE: Discipline Specific Elective; GE: Generic Elective; THPW; Teaching hours per week; T: Theory; P: Practical (Two practical classes are considered as One hour of classroom teaching); IA: Internal Assessment PR: Project Report; VV: Viva-Voce Examination.

Note: If a student should opt for "a" in SEC in III semester, the student has to opt for "a" only in IV semester and so is the case with "b" and "c". In the case of DSE also the rule applies.

SUMMARY OF CREDITS

Sl. No.	Course Category	No. of Courses	Credits Per Course	Credits
1	English Language	6	4/3	20
2	Second Language	6	4/3	20
3	AECC	2	2	4
4	SEC	4	2	8
5	GE	1	4	4
6	Project Report	1	4	4
7	DSC	12	5	60
8	DSE	6	5	30
	TOTAL	38		150
	Commerce	24		106
CREDITS UNDER NON-CGPA		NSS/NCC/Sports/Extra Curricular	Up to 6 (2 in each year)	
		Summer Internship	Up to 4 (2 in each after I & II years)	

J.M.
25/9/2020

Head
Department of Commerce
Osmania University
Hyderabad - 500 007

Vijay Prasad
CHAIRMAN

BOARD OF STUDIES IN COMMERCE
ANWARUL ULOOM COLLEGE
AFFILIATED TO OSMANIYA UNIVERSITY
HYDERABAD-500 001 (T.S.)

STRUCTURE OF B.COM.(Adv & Sales Management) DEGREE COURSE w.e.f. ACADEMIC YEAR 2019 onwards

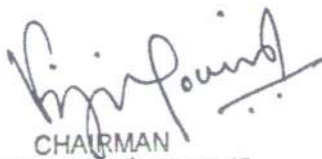
Sl.No.	Code	Course Title	Sem Exam	IA	Total	THPW	Credits
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
SEMESTER – I							
1.	ELS1	English (First Language)	35	15	50	4 hrs	4
2.	SLS1	Second Language	35	15	50	4 hrs	4
3.	AECC1	a) Environmental Science/ b) Basic Computer Skills	35	15	50	2 hrs	2
4.	DSC101	Financial Accounting-I	35	15	50	5 hrs	5
5.	DSC102	Business Organization and Management	35	15	50	5 hrs	5
6.	DSC103	Marketing Management	35	15	50	5 hrs	5
		Total				25	25
SEMESTER – II							
7.	ELS2	English (First Language)	35	15	50	4 hrs	4
8.	SLS2	Second Language	35	15	50	4 hrs	4
9.	AECC2	a) Basic Computer Skills/ b) Environmental Science	35	15	50	2 hrs	2
10.	DSC201	Financial Accounting-II	35	15	50	5 hrs	5
11.	DSC202	Business Laws	35	15	50	5 hrs	5
12.	DSC203	Fundamentals of Advertising	35	15	50	5 hrs	5
		Total				25	25
SEMESTER – III							
13.	ELS3	English (First Language)	35	15	50	3 hrs	3
14.	SLS3	Second Language	35	15	50	3 hrs	3
15.	SEC1	a) Principles of Insurance/ b) Foundation of Digital Marketing/ c) Fundamentals of Business Analytics	35	15	50	2 hrs	2
16.	SEC2	a) Practice of Life Insurance/ b) Web Design & Analytics/ c) Application of Business Analytics	35	15	50	2 hrs	2
17.	DSC301	Advanced Accounting	35	15	50	5 hrs	5
18.	DSC302	Business Statistics-I	35	15	50	5 hrs	5
19.	DSC303	Media Management	35	15	50	5 hrs	5
		Total				25	25
SEMESTER – IV							
20.	ELS4	English (First Language)	35	15	50	3 hrs	3
21.	SLS4	Second Language	35	15	50	3 hrs	3
22.	SEC3	a) Practice of General Insurance/ b) Social Media Marketing c) Business Intelligence	35	15	50	2 hrs	2
23.	SEC4	a) Regulation of Insurance Business/ b) Search Engine Optimization & Online Advertising c) Data Visualisation & Storytelling	35	15	50	2 hrs	2
24.	DSC401	Income Tax/Excel Foundation	35	15	50	5 hrs	5
25.	DSC402	Business Statistics-II	35	15	50	5 hrs	5
26.	DSC403	Marketing Research	35	15	50	5 hrs	5
		Total				25	25

T.A.
20/12/20

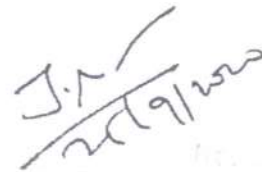
SEMESTER – V							
27.	EL55	English (First Language)	35	15	50	3 hrs	3
28.	SLS5	Second Language	35	15	50	3 hrs	3
29.	GE	Business Economics	35	15	50	4 hrs	4
30.	DSE501	a) Cost Accounting/ b) Financial Planning & Performance/ c) International Financial Reporting-I	35	15	50	5 hrs	5
31.	DSE502	a) Computerized Accounting/ b) Financial Decision Making-I/ c) International Tax & Regulation	35	15P/15IA	50	3T+4P/5	5
32.	DSE503	a) International Advertising/ b) Advanced Corporate Accounting/ c) Financial Management	35	15	50	5 hrs	5
		Total				25	25
SEMESTER – VI							
33.	ELS6	English (First Language)	35	15	50	3 hrs	3
34.	SLS6	Second Language	35	15	50	3 hrs	3
35.	PR	Research Methodology and Project Report		4		2T+4R	4
36.	DSE601	a) Cost Control and Management Accounting/ b) Financial control/ c) International Financial Reporting-II	35	15	50	5 hrs	5
37.	DSE602	a) Theory and Practice of GST/ b) Financial Decision Making-II / c) International Auditing	35	15P*/15IA	50	3T+4P/5 hrs	5
38.	DSE603	a) Brand Management/ b) Corporate Governance/ c) Investment management	35	15	50	5 hrs	5
		Total				25	25
		GRAND TOTAL				150	150

ELS: English Language Skill; SLS: Second Language Skill; AEC: Ability Enhancement Compulsory Course; SEC: Skill Enhancement Course; DSC: Discipline Specific Course; DSE: Discipline Specific Elective; GE: Generic Elective; THPW: Teaching hours per week; T: Theory; P: Practical (Two practical classes are considered as One hour of classroom teaching); IA: Internal Assessment; PR: Project Report; VV: Viva-Voce Examination.

Note: If a student should opt for "a" in SEC in III semester, the student has to opt for "a" only in IV semester and so is the case with "b" and "c". In the case of DSE also the rule applies.


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BOARD OF STUDIES IN COMMERCE
ANWARUL ULoom COLLEGE
AFFILIATED TO OSMANIYA UNIVERSITY
HYDERABAD-500 001 (T.S.)


20/9/2020

Department of
Commerce
Osmania University
Hyderabad - 500 001

SUMMARY OF CREDITS

Sl. No.	Course Category	No. of Courses	Credits Per Course	Credits
1	English Language	6	4/3	20
2	Second Language	6	4/3	20
3	AECC	2	2	4
4	SEC	4	2	8
5	GE	1	4	4
6	Project Report	1	4	4
7	DSC	12	5	60
8	DSE	6	5	30
	TOTAL	38		150
	Commerce	24		106
CREDITS UNDER NON-CGPA		NSS/NCC/Sports/Extra Curricular	Up to 6 (2 in each year)	
		Summer Internship	Up to 4 (2 in each after I & II years)	

J.N.
35/9/20



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BOARD OF STUDIES IN COMMERCE
ANWARUL ULUOM COLLEGE
AFFILIATED TO OSMANIYA UNIVERSITY

STRUCTURE OF B.COM.(Tax Procedures) DEGREE COURSE w.e.f. ACADEMIC YEAR 2019 onwards

SLNo.	Code	Course Title	Sem Exam	IA	Total	THPW	Credits
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
SEMESTER – I							
1.	ELS1	English (First Language)	35	15	50	4 hrs	4
2.	SL.S1	Second Language	35	15	50	4 hrs	4
3.	AEEC1	a) Environmental Science/ b) Basic Computer Skills	35	15	50	2 hrs	2
4.	DSC101	Financial Accounting-I	35	15	50	5 hrs	5
5.	DSC102	Business Organization and Management	35	15	50	5 hrs	5
6.	DSC103	Income Tax – I	35	15	50	5 hrs	5
		Total				25	25
SEMESTER – II							
7.	ELS2	English (First Language)	35	15	50	4 hrs	4
8.	SL.S2	Second Language	35	15	50	4 hrs	4
9.	AEEC2	a) Basic Computer Skills/ b) Environmental Science	35	15	50	2 hrs	2
10.	DSC201	Financial Accounting-II	35	15	50	5 hrs	5
11.	DSC202	Business Laws	35	15	50	5 hrs	5
12.	DSC203	Income Tax – II	35	15	50	5 hrs	5
		Total				25	25
SEMESTER – III							
13.	ELS3	English (First Language)	35	15	50	3 hrs	3
14.	SL.S3	Second Language	35	15	50	3 hrs	3
15.	SEC1	a) Principles of Insurance/ b) Foundation of Digital Marketing/ c) Fundamentals of Business Analytics	35	15	50	2 hrs	2
16.	SEC2	a) Practice of Life Insurance/ b) Web Design & Analytics/ c) Application of Business Analytics	35	15	50	2 hrs	2
17.	DSC301	Advanced Accounting	35	15	50	5 hrs	5
18.	DSC302	Business Statistics-I	35	15	50	5 hrs	5
19.	DSC303	Assessment of Other Entities	35	15	50	5 hrs	5
		Total				25	25
SEMESTER – IV							
20.	ELS4	English (First Language)	35	15	50	3 hrs	3
21.	SLS4	Second Language	35	15	50	3 hrs	3
22.	SEC3	a) Practice of General Insurance/ b) Social Media Marketing c) Business Intelligence	35	15	50	2 hrs	2
23.	SEC4	a) Regulation of Insurance Business/ b) Search Engine Optimization & Online Advertising c) Data Visualisation & Storytelling	35	15	50	2 hrs	2
24.	DSC401	Excel Foundation	35	15	50	5 hrs	5
25.	DSC402	Business Statistics-II	35	15	50	5 hrs	5
26.	DSC403	Customs Procedure & Practice	35	15	50	5 hrs	5
		Total				25	25

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Hyderabad

SEMESTER – V							
27.	ELS5	English (First Language)	35	15	50	3 hrs	3
28.	SLS5	Second Language	35	15	50	3 hrs	3
29.	GE	Business Economics	35	15	50	4 hrs	4
30.	DSE501	a) Cost Accounting/ b) Financial Planning & Performance/ c) International Financial Reporting-I	35	15	50	5 hrs	5
31.	DSE502	a) Computerized Accounting/ b) Financial Decision Making-I/ c) International Tax & Regulation	35	15P*/15IA	50	3T+4P*/ 5 hrs	5
32.	DSE503	a) Tax Planning & Management/ b) Advanced Corporate Accounting/ c) Financial Management	35	15	50	5 hrs	5
		Total				25	25
SEMESTER – VI							
33.	ELS6	English (First Language)	35	15	50	3 hrs	3
34.	SLS6	Second Language	35	15	50	3 hrs	3
35.	PR	Research Methodology and Project Report				2T+4R	4
36.	DSE601	a) Cost Control and Management Accounting/ b) Financial control/ c) International Financial Reporting-II	35	15	50	5 hrs	5
37.	DSE602	a) Theory and Practice of GST/ b) Financial Decision Making-II / c) International Auditing	35	15P8/15IA	50	3T+4P/5 hrs	5
38.	DSE603	a) International Tax & Regulation/ b) Corporate Governance/ c) Investment Management	35	15	50	5 hrs	5
		Total				25	25
		GRAND TOTAL				150	150

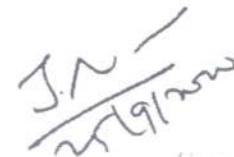
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ANWARUL ULOOM COLLEGE
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HYDERABAD-500 001 (T.S.)



Head

Department of Commerce
Osmania University

SUMMARY OF CREDITS

Sl. No.	Course Category	No. of Courses	Credits Per Course	Credits
1	English Language	6	4/3	20
2	Second Language	6	4/3	20
3	AECC	2	2	4
4	SEC	4	2	8
5	GE	1	4	4
6	Project Report	1	4	4
7	DSC	12	5	60
8	DSE	6	5	30
	TOTAL	38		150
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CREDITS UNDER NON-CGPA		NSS/NCC/Sports/Extra Curricular	Up to 6 (2 in each year)	
		Summer Internship	Up to 4 (2 in each after I & II years)	

J.N.
25/9/2020

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BOARD OF STUDIES IN COMMERCE
ANWARUL ULOOM COLLEGE
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HYDERABAD-500 001 (T.S.)

DEPARTMENT OF COMMERCE, A.U.C.

M.Com(IS) COURSE STRUCTURE (CBCS)

FIRST SEMESTER

Sl. No (1)	Code (2)	Title of the Paper (3)	THPW (4)	Credits (5)	DESE (6)	IA (7)	Assignme nt (8)	End- Sem Exam (9)	Total (10)
1	MCIS 1: Core – I	Accounting Standards and Reporting	5	4	3 Hrs	15	5	80	100
2.	MCIS 2: Core – II	Financial Management	5	4	3 Hrs	15	5	80	100
3.	MCIS 3 Core –III	Organization Theory & Behavior	5	4	3 Hrs	15	5	80	100
4.	MCIS 4 : Elective – I	Business Information System	3T+4P	5	3 Hrs	15 IA	35 LPE	50/80	100
5.	MCIS 5 : Elective-II	Object Oriented Programming using C++	3T+4P	5	3 Hrs	15 IA	35 LPE	50	100
	SEMINAR		2	1	-	-	-	25*	25
			25T	23		75	85	365/395	525

*25=15W+10PR

SECOND SEMESTER

Sl. No (1)	Code (2)	Title of the Paper (3)	THPW (4)	Credits (5)	DESE (6)	IA (7)	Assig nmen t (8)	End- Sem Exam (9)	Total (10)
6.	MCIS 6: Core – I	Advanced Managerial Accounting	5	4	3 Hrs	15	5	80	100
7.	MCIS 7: Core – II	Investment Management	5	4	3 Hrs	15	5	80	100
8.	MCIS 8 Core –III	Human Resource Management	5	4	3 Hrs	15	5	80	100
9.	MCIS 9 : Elective-I	E – Commerce	3T+4P	5	3 Hrs	15 IA	35 LPE	50/80	100
10.	MCIS 10 : Elective-II	Relational Data Base Management System	3T+4P	5	3 Hrs	15 IA	35 LPE	50	100
	SEMINAR		2	1	-	-	-	25*	25
			25T	23		75	85	365/ 395	525

*25=15W+10PR

Note: Specialization Papers in Semesters I & II (i.e., Operating System and E-Commerce) will

have 3 hours of theory teaching

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ANWARUL ULOOM COLLEGE
AFFILIATED TO OSMANIYA UNIVERSITY
HYDERABAD 500 001 (TS)

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JA
21/9/2020

Head
Dept. of Commerce
Osmania University
Hyderabad - 500 001

M.COM(IS)(CBCS)

w.e.f. 2020-21

THIRD SEMESTER

Faculty Of Commerce,AUC

Sl. No (1)	Code (2)	Title of the Paper (3)	THPW (4)	Credits (5)	DESE (6)	IA (7)	Assignment (8)	End-Sem. Exam (9)	Total (10)
11.	MCIS 11: Core - I	Research Methodology & Statistical Analysis	5	4	3 Hrs	15	5	80	100
12.	MCIS 12: Core - II	Marketing Management	5 (4T+2P)	4	3 Hrs	15	5	80	100
13.	MCIS 13 Core -III	Cost Accounting and Control	5	4	3 Hrs	15	5	80	100
14.	MCIS 14: Elective-I	Data Communication and Net work	3T+4P	5	3 Hrs	15 IA	35 LPE	50/ 80	100
15.	MCIS 15 Elective-II	Advanced Excel	3T+4P	5	3 Hrs	15 IA	35 LPE	50/ 80	100
16.	ID Paper	Business Organization & Management	4	4	3 Hrs	15	5	80	100
	SEMINAR		2	1	-	-	-	25*	25
			31T	27		90	90	445/ 505	625

FOURTH SEMESTER:

Sl. No (1)	Code (2)	Title of the Paper (3)	THPW (4)	Credits (5)	DESE (6)	IA (7)	Assignment (8)	End-Sem. Exam (9)	Total (10)
17.	MCIS.16 Core - I	ERP	5	4	3 Hrs	15	5	80	100
18.	MCIS 17 Core - II	Business and Corporate Taxation	5	4	3 Hrs	15	5	80	100
19.	MCIS 18 Core -III	ME & BEP	5	4	3 Hrs	15	5	80	100
20.	MCIS.19: Elective-I	Business decisions using SPSS	3T+4P	5	3 Hrs	15 IA	35 LPE	50/80	100
21.	MCIS.20 Elective-II	Web Designing	3T+4P	5	3 Hrs	15 IA	35 LPE	50	100
22.	MCIS: 21	Project Work	8	4	3 Hrs			50VV + 50D	100
	SEMINAR		2	1	-	-	-	25*	25
	TOTAL		(31T+8 P)/35T	27		75	85	465/ 495	625
	GRAND TOTAL		120	100		315	345	1640/ 1790	2300

25=15W+10PR

Note: Specialization Papers in Semesters III & IV (i.e., Data Communication and Networks, Cyber Laws and E-Business Management) will have 5 Hours of theory teaching and End Semester Exam for 80 Marks, IA for 15 Marks and Assignment for 5 Marks Inter Disciplinary (ID) Paper in Third Semester is offered to the Non-Commerce PG Students

THPW- Teaching Hours Per Week, ESED- End-Semester Examination Duration, VV-Viva-Voce.

LPE - Lab Practical Examination, D- Dissertation, T-Theory, P-Practical, W-Write-up, PR- Presentation, DESE - Duration of End-Semester Examination

CHAIRMAN

BOARD OF STUDIES IN COMMERCE,
ANWARUL ULOOM COLLEGE
AFFILIATED TO OSMANIA UNIVERSITY
HYDERABAD (500 007)

8

J.N.
25/10/20

Head
Dept. of Commerce
Osmania University
Hyderabad - 500 007

DEPARTMENT OF COMMERCE, A.U.C.

M.Com(Finance) COURSE STRUCTURE (CBCS)

FIRST SEMESTER:

Sl. No (1)	Code (2)	Title of the Paper (3)	THPW (4)	Credits (5)	DESE (6)	IA (7)	Assignment (8)	End-Sem. Exam (9)	Total (10)
1	Com 1 : Core – I	Managerial Economics	5	4	3 Hrs	15	5	80	100
2.	Com 2 : Core – II	Principles of Marketing	5	4	3 Hrs	15	5	80	100
3.	Com 3: Core –III	OT & OB	5	4	3 Hrs	15	5	80	100
4.	Com 4 : Elective-I	Financial Management	5	5	3 Hrs	15	5	80	100
5.	Com 5: Elective-II	Accounting Standards	5	5	3 Hrs	15	5	80	100
	SEMINAR		2	1	-	-	-	25*	25
			27	23		75	25	425	525

*25=15W+10PR

SECOND SEMESTER:

Sl. No (1)	Code (2)	Title of the Paper (3)	THPW (4)	Credits (5)	DESE (6)	IA (7)	Assignment (8)	End-Sem.Exam (9)	Total (10)
6.	Com 6 : Core – I	Business Environment & Policy	5	4	3 Hrs	15	5	80	100
7.	Com 7 : Core – II	Marketing Management	5	4	3 Hrs	15	5	80	100
8.	Com 8: Core –II I	Human Resource Management	5	4	3 Hrs	15	5	80	100
9.	Com 9 : Elective-I	Investment Management	5	5	3 Hrs	15	5	80	100
10.	Com 10: Elective-II	Advanced Managerial Accounting	5	5	3 Hrs	15	5	80	100
	SEMINAR		2	1	-	-	-	25*	25
			27	23		75	25	425	525

*25=15W+10PR

THIRD SEMESTER:

Sl. No (1)	Code (2)	Title of the Paper (3)	THPW (4)	Credits (5)	DESE (6)	IA (7)	Assignment (8)	End-Sem.Exam (9)	Total (10)
11.	Com 11 : Core – I	Research Methodology & Statistical Analysis	5	4	3 Hrs	15	5	80	100
12.	Com 12 : Core – II	E-Commerce	5 (4T+2P)	4	3 Hrs	-	40 LPE	60	100
13.	Com 13: Core –II I	Cost Accounting and Control	5	4	3 Hrs	15	5	80	100
14.	Com 14 : Elective-I	International Financial Management	5	5	3 Hrs	15	5	80	100
15.	Com 15: Elective-II	Security Analysis & Portfolio Management	5	5	3 Hrs	15	5	80	100
16.	ID Paper	Business Organization & Management	4	4	3 Hrs	15	5	80	100
	SEMINAR		2	1	-	-	-	25*	25
			31	27		90	60	475	625

FOURTH SEMESTER:

Sl. No (1)	Code (2)	Title of the Paper (3)	THPW (4)	Credits (5)	DESE (6)	IA (7)	Assignment (8)	End-Sem. Exam (9)	Total (10)
17.	Com 16 : Core – I	Quantitative Techniques for Business Decisions	5	4	3 Hrs	15	5	80	100
18.	Com 17: Core – II	Business and Corporate Taxation	5	4	3 Hrs	15	5	80	100
19.	Com 18: Core –III	Strategic Management	5	4	3 Hrs	15	5	80	100
20.	Com 19: Elective-I	Financial Services	5	5	3 Hrs	15	5	80	100
21.	Com 20: Elective-II	Financial Derivatives	5	5	3 Hrs	15	5	80	100
22.	Com:21	Project Work	8	4				50VV + 50D	100
	SEMINAR		2	1	-	-	-	25*	25
	TOTAL		35	27		75	25	525	625
	GRAND TOTAL		120	100	-	315	135	1850	2300

25=15W+10PB

Inter Disciplinary (ID) Paper in Third Semester is offered to the Non-Commerce PG Students.

THPW= Total Hours Per Week; ESED*End-Semester Examination Duration; VV=Viva-Voce;

PR=Practical Examinations; D= Dissertation; T=Theory; P=Practical; W=Write-up; PR=Presentation; DESE = Duration of End-Semester Examination.

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HYDERABAD-500004 (T.S.)

J.M
25/9/20

B.A. (ECONOMICS) 1ST YEAR

SEMESTER – I & II

(2020-2021)

COURSE STRUCTURE

CHOICE BASED CREDIT SYSTEM PATTERN

Code	Name Of The Paper	ppw	Credit	Scheme Of Examination		
				IA Marks	External Marks	Total marks
SEMESTER - I						
1111	Micro-Economics	5Hours	5	15	35	50
AECC-I						
AECC-1	Environmental studies	2hours	2	--	50	50
SEMESTER - II						
1211	Macro Economics	5hours	5	15	15	50
AECC-II						
IAECC-II	Basic computer skills	2hrs	2	--	50	50

B.A. (ECONOMICS) II year

SEMESTER – III & IV

(2020-2021)

COURSE STRUCTURE

CHOICE BASED CREDIT SYSTEM PATTERN

Code	Name Of The Paper	PPW	Credit	Scheme Of Examination		
				IA Marks	External Marks	Total marks
SEMESTER -III						
2111	Statistics for Economics	5hrs	5	15	35	50
SECC-I						
SECC-I	Money and Banking	2hrs		--	50	50
SEMESTER - IV						
2211	Indian economy	5hrs	5	15	50	50
SECC-II						
SECC-II	Environmental economics	2hrs		--	50	50

B.A. (ECONOMICS) III year

SEMESTER – V & VI

(2020-2021)

COURSE STRUCTURE

CHOICE BASED CREDIT SYSTEM PATTERN

Code	Name of The Paper	PPW	Credit	Scheme of Examination		
				IA Marks	External marks	Total marks
	SEMESTER-V					
V(A)	Development Economics	5hrs	5	15	35	50
V(B)	Indian Economy	5HRS	5	15	35	50
SECC-III	Industrial economics	2HRS	2	--	50	50
GE-I	Rural Development	2hrs	2		50	50
	SEMESTER-VI					
VI(A)	International Economics	5hrs	5	15	35	50
VI(B)	Economics of Insurance	5hrs	5	15	35	50
SECC-IV	Entrepreneurship	2hrs	2	--	50	50

IV	and Development					
GE-II	Financial Economics	2hrs	2	--	50	50

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Department Of Economics
M.A.(Economics) Course Structure
(Choice Based Credit System)
(2020– 2021)

MASTER STRUCTURE

SEMESTER – I

Paper Code	Name Of The Paper	Scheme Of Instructions (Hours Per Week)	Credits	Scheme Of Examination		
				Internal Assessment Marks	Semester Exam Marks	Total
101	Micro Economics Analysis- I	5	5	20	80	100
102	Macro Economics Analysis -I	5	5	20	80	100
103	Quantitative Methods- I	5	5	20	80	100
104	Agricultural Economics- I Or Computer Applications -I	5	5	20	80	100
105	Economics of Social Sector-I Or Financial Economics- I	5	5	20	80	100
	Seminar	2	1	---	25	25
Add - on106	Communicative English & Soft Skills		2	---	50	50
	TOTAL	25	28	100	475	575

Notation:

IA-Internal Assessment

1. Note: For each papers there will be semester examination for 80 marks and 20 marks for Internal Assessment.
2. 15 marks for Internal Assessment and 5 marks for Assignment in the subject, average of two shall be considered for the award of marks.
3. 25 marks for seminar.

SEMESTER – II

Asst. Professor
 Department of Economics
 Osmania University, Hyd-7

Professor
 Department of Economics
 Osmania University, Hyd-7

Paper Code	Name Of The Paper	Scheme Of Instructions (Hours Per Week)	Credits	Scheme Of Examination		Total
				Internal Assessment Marks	Semester Exam Marks	
201	Micro Economics Analysis- II	5	5	20	80	100
202	Macro Economics Analysis -II	5	5	20	80	100
203	Quantitative Methods- II	5	5	20	80	100
204	Agricultural Economics- II Or Computer Applications -II	5	5	20	80	100
205	Economics of Social Sector-II Or Financial Economics- II	5	5	20	80	100
	Seminar	2	1	---	25	25
Add -on20 6	Human Values & Profession Ethics		2	---	50	50
	TOTAL	25	28	100	475	575

Notation:

IA-Internal Assessment ; SEM- Semester

1. **Note :**For each papers there will be semester examination for 80 marks and 20 marks for Internal Assessment.
2. 15 marks for Internal Assessment and 5 marks for Assignment in the subject, however the best of two shall be considered for the award of marks.
3. 25 marks for semester.

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Department of Economics
Osmania University, Hydr.

Professor
Department of Economics
Osmania University, Hydr.

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Department Of Economics
M.A.(Economics) Course Structure
(Choice Based Credit System)
(2020– 2021)

MASTER STRUCTURE

SEMESTER – III

Paper Code	Name Of The Paper	Scheme Of Instructions (Hours Per Week)	Credits	Scheme Of Examination		
				Internal Assessment Marks	Semester Exam Marks	Total
301	Econometrics – I	5	5	20	80	100
302	International Economics	5	5	20	80	100
303	Public Economics	5	5	20	80	100
304	Industrial Economics-I Or Agriculture Business-I	5	5	20	80	100
305	Demography Or Development Economics	5	5	20	80	100
	Seminar	2	1	---	25	25
IDE 306	Telangana Economy		2	---	50	50
	TOTAL	27	28	100	475	575

Notation:

IA-Internal Assessment ; SEM- Semester

1. Note :For each papers there will be semester examination for 80 marks and 20 marks for Internal Assessment.
2. 15 marks for Internal Assessment and 5 marks for Assignment in the subject, however the best of two shall be considered for the award of marks.
3. 25 marks for semester.

AM
Asst. Professor
Department of Economics
Osmania University, Hyd-7

JW
Professor
Department of Economics
Osmania University, Hyd-7

SEMESTER – IV

Paper Code	Name Of The Paper	Scheme Of Instructions (Hours Per Week)	Credits	Scheme Of Examination		Total
				Internal Assessment Marks	Semester Exam Marks	
401	Econometrics- II	5	5	20	80	100
402	Indian Economy	5	5	20	80	100
403	Environment Economics	5	5	20	80	100
404	Industrial Economics-II Or Agriculture Business-II	5	5	20	80	100
405	Economics of Insurance Or Telangana Economy	5	5	20	80	100
	Seminar	2	1	---	25	25
IDE 406	Indian Economy and Development		2	---	50	50
	TOTAL	27	28	100	475	575

Notation:**IA-Internal Assessment ; SEM- Semester**

1. Note :For each papers there will be semester examination for 80 marks and 20 marks for Internal Assessment.
2. 15 marks for Internal Assessment and 5 marks for Assignment in the subject, however the best of two shall be considered for the award of marks.
3. 25 marks for semester.

Asst. Professor
Department of Economics
Anwarul Uloom College, Hyderabad

Professor
Department of Economics
Osmania University, Hyd-7

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6

Faculty of Social Sciences

B.A (EPP) & (HPML)

Political Science

Course Structure

Choice Based Credit System Pattern

Approval Syllabus for the Academic Year 2020-21

Code	Name of the paper	Scheme of instruction/Hours per week	Credit	Scheme of Examination	
				Internal Assessment Marks	Semester Examination Marks
SEMESTER – I					
1119	Understanding political Theory	5 Hours	5	15	35
AECC-I PAPER FOR SEMESTER – I					
A1119	Environmental Studies	2 Hours	2		50
SEMESTER – II					
1219	Western political thoughts	5 Hours	5	15	35
AECC-II PAPER FOR SEMESTER – II					
11219	Basic Computer Skills	2 Hours	2		50

Yasmin
Dr. YASMIN
Assistant Professor
Department of Political Science
Osmania University, Hyderabad.

Sadiya
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15

Faculty of Social Sciences

B.A (EPP) & (HPML)

Subject : Political Science

Course Structure

Choice Based Credit System Pattern

Approval Syllabus for the Academic Year 2020-21

Code	Name of the paper	Scheme of instruction/Hours per week	Credit	Scheme of Examination	
				Internal Assessment Marks	Semester Examination Marks
SEMESTER – III					
1119	Indian Government and Politics	5 Hours	5	15	35
SEC- I PAPER FOR SEMESTER - III					
A1119	Emancipation of women	2 Hours	2		50
SEMESTER – IV					
1219	Indian Government and Politics; Union and State Governments	5 Hours	5	15	35
SEC –II PAPER FOR SEMESTER – IV					
11219	Caste System in India	2 Hours	2		50

P. J. Shah
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Yasmin
Dr. YASMIN
Assistant Professor
Department of Political Science
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24

Faculty of Social Sciences
B.A III Year (2020-21)
SEMESTER – V – IV
Course Structure
(Choice Based credit System)

Semester	Name of the Paper	Scheme of the Examination	
		Internal Assessment Marks	Semester Examination Marks
V A	Ancient Indian Political Thoughts	15	35
VB	International Relations	15	35
CrE - I	Reform Movements in India	15	35
VI. A	Western Political Thoughts	15	35
VI B	International Relations	15	35
CrE - II	Women studies (An Introduction)	15	35

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Yasmin
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Course Structure

Choice Based Credit System Pattern Approved Syllabus for the

Academic year 2020-2021

Scheme of Examination

Code	Course Title	Hpw	Credits	Exam Hrs	Internal Assessment Marks	Semester (End) Examination Marks
Semester - I						
DSC103	Basics of Public Administration	5 Hrs	5	2 Hrs	15	35
AECC- I	Environmental Studies	2 Hrs	2	2 Hrs	---	50
Semester - II						
DSC203	Principles and Emerging Trends	5 Hrs	5	2 Hrs	15	35
AECC- II	Basic Computer Skills	2 Hrs	2	2 Hrs	---	50
Semester - III						
DSC303	Indian Administration – Union Government	5 Hrs	5	2 Hrs	15	35
SEC-III	Local Self Government	2Hrs	2	2 Hrs	---	50
Semester - IV						
DSC403	State Administration	5 Hrs	5	2 Hrs	15	35
SEC-IV	Public Relations	2 Hrs	2	2 Hrs	---	50
Semester - V						
DSE503A	Human Resource Management	5 Hrs	5	2 Hrs	15	35
DSE503B	Public Office Administration – Office Process	5 Hrs	5	2 Hrs	15	35
GE - I	Social Reforms Movement in India	2 Hrs	2	2 Hrs	---	50
Semester – VI						
DSE603A	Financial Management & Material Management	5 Hrs	5	2 Hrs	15	35
DSE603B	Techniques of Office Administration	5 Hrs	5	2 Hrs	15	35
GE - II	Telangana Movement	2 Hrs	2	2 Hrs	---	50

1196
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Faculty of Social Sciences

Department of History

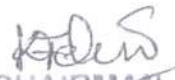
B. A. (History, Political Science & Modern Language – Urdu)

B. A. 1st Year
(2020 – 21)

Choice Based Credit System Pattern (w.e.f. 2015 – 16)

(Approved Syllabus for the Academic Year 2020 – 21)

S. No.	Year	Sem.	Paper	Title	Code No.	Inter. Marks	Sem. Marks	Teaching hours	Credits
1	1 st Year	I	I	History of India (from earliest times to 700 CE)	1113	15	35	5 Hrs	5
2			AECC – I	Environmental Studies	–	–	50	2 Hrs	2
3	1 st Year	II	II	History of India (from 700 – 1526 CE)	1213	15	35	5 Hrs	5
4			AECC – II	Basic Computer Skills	–	–	50	2 Hrs	2


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Faculty of Social Sciences

Department of History

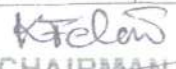
B. A. (History, Political Science & Modern Language – Urdu)

B. A. 2nd Year
(2020 – 21)

Choice Based Credit System Pattern (w.e.f. 2015 – 16)

(Approved Syllabus for the Academic Year 2020 – 21)

S. No.	Year	Sem.	Paper	Title	Code No.	Inter. Marks	Sem. Marks	Teaching hours	Credits
1	2 nd Year	III	III	History of India (from 1526 – 1857 CE)	1313	15	35	5 Hrs	5
2			SECC – I	History and Culture of Telangana – I (1500 – 1948 CE)	–	–	50	2 Hrs	2
3	2 nd Year	IV	IV	History of India (from 1858 – 1964 CE)	1413	15	35	5 Hrs	5
4			SECC – II	History and Culture of Telangana – II (1724 – 2014 CE)	–	–	50	2 Hrs	2


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Faculty of Social Sciences

Department of History

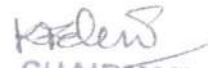
B. A. (History, Political Science & Modern Language – Urdu)

B. A. 3rd Year
(2020 – 21)

Choice Based Credit System Pattern (w.e.f. 2015 – 16)

(Approved Syllabus for the Academic Year 2020 – 21)

S. No.	Year	Sem.	Paper	Title	Code No.	Inter. Marks	Sem. Marks	Teaching hours	Credits
1	3 rd Year	V	V A	History of Modern World (1453 - 1815 CE)	1513 A	15	35	5 Hrs	5
2			V B	Islamic History & Culture (from earliest times to fall of Ummayyads)	1513 B	15	35	5 Hrs	5
3			SECC – III	Ancient Civilizations	–	–	50	2 Hrs	2
4			G E – I	History of World Tourism	–	–	50	2 Hrs	2
5	3 rd Year	VI	VI A	World History (1815 - 1950 CE)	1513 A	15	35	5 Hrs	5
6			VI B	Islamic History & Culture (Rise of Abbasids to Crusades)	1513 B	15	35	5 Hrs	5
7			SECC – IV	Achieves & Museums	–	–	50	2 Hrs	2
8			G E – II	Indian National Movement (1857 – 1947 CE)	–	–	50	2 Hrs	2


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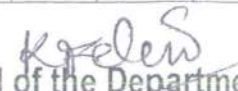
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Department of History Paper Titles & Marks Details (2020 - 21)

(Course Structure & Scheme of Examinations)

S. No.	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
						Max.	Min.			
M. A. Ist Year, I – Semester (CBCS)										
1	I	211	History of India (from earliest times to 1206 CE)	5 Hrs	20	80	32	100	5	3 Hrs
2	II	212	History of Modern World (from 1453 – 1871 CE)	5 Hrs	20	80	32	100	5	3 Hrs
3	III	213	History & Culture of Telangana (from earliest times to 1724 CE)	5 Hrs	20	80	32	100	5	3 Hrs
4	IV	214 a	Ancient Civilization	5 Hrs	20	80	32	100	5	3 Hrs
		214 b	History of China (1879 to 1949 CE)							
5	V	215 a	Tourism & Culture	5 Hrs	20	80	32	100	5	3 Hrs
		215 b	History of U S A (1776 to 1945 CE)							
6		116	Add On: Communicative English & Soft Skills	2 Hrs	—	50	20	50	2	2 Hrs
Total				27 Hrs				550	27	17 Hrs
M. A. Ist Year, II – Semester (CBCS)										
1	I	221	History of India (1206 - 1858 CE)	5 Hrs	20	80	32	100	5	3 Hrs
2	II	222	History of Modern World (from 1871 – 1964 CE)	5 Hrs	20	80	32	100	5	3 Hrs
3	III	223	History & Culture of Telangana (1724 to 2014 CE)	5 Hrs	20	80	32	100	5	3 Hrs
4	IV	224 a	Historiography & Historical Method (IV a)	5 Hrs	20	80	32	100	5	3 Hrs
		224 b	History of Russia (1861 – 1991 CE)							
5	V	225 a	Environmental History of Modern India	5 Hrs	20	80	32	100	5	3 Hrs
		225 b	History of Japan (1850 – 1945 CE)							
6		126	Add – On Course: HV & PE / Basics of Computer Science	2 Hrs	—	50	20	50	2	2 Hrs
Total				27 Hrs				550	27	


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Note: Add – on and I D E Courses marks and credits are not considered for Aggregate of Marks and Aggregate of total credits and for award of Division



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Department of History Paper Titles & Marks Details (2020 – 21)

(Course Structure & Scheme of Examinations)

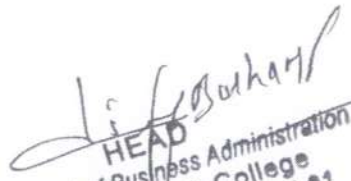
S. No.	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
						Max.	Min.			
M. A. 2nd Year, III – Semester (CBCS)										
1	I	231	Social, Economic & Cultural History of Medieval India (1206 – 1707 CE)	5 Hrs	20	80	32	100	5	3 Hrs
2	II	232	Social, Economic & Cultural History of Modern India (1707 – 1947 CE)	5 Hrs	20	80	32	100	5	3 Hrs
3	III	233	History of Dalit Movement in India (1900 – 1947 AD)	5 Hrs	20	80	32	100	5	3 Hrs
4	IV	234 a	History of Science & Technology in Modern India (1800 – 1964 CE)	5 Hrs	20	80	32	100	5	3 Hrs
		234 b	Architecture in Deccan							
5	V	235	History of Contemporary India (1947 – 2000 CE)	5 Hrs	20	80	32	100	5	3 Hrs
		236	IDE Course: Cultural Heritage of India Part – A.	2 Hrs	–	50	20	50	2	2 Hrs
			Total	29 Hrs				550	27	
M. A. 2nd Year, IV – Semester (CBCS)										
1	I	241	National Movement in India (1858 – 1947 CE)	5 Hrs	20	80	32	100	5	3 Hrs
2	II	242	Buddhist Studies	5 Hrs	20	80	32	100	5	3 Hrs
3	III	243	Tribal & Peasant Movement in India (19 th & 20 th Centuries)	5 Hrs	20	80	32	100	5	3 Hrs
4	IV	244 a	Constitutional History of India (1773 – 1947 CE)	5 Hrs	20	80	32	100	5	3 Hrs
		244 b	Archives & Museums							
5	V	245	Women studies in Modern India	5 Hrs	20	80	32	100	5	3 Hrs
6		246	IDE Course: Cultural Heritage of India – Part B	2 Hrs	–	50	20	50	2	2 Hrs
			Total	27 Hrs				550	27	

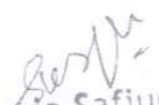
Total Credits: 100 & Total Marks: 2,000


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(w.e.f 2020-21)

STRUCTURE OF B.B.A DEGREE COURSE w.e.f. ACADEMIC YEAR 2019 onwards								
FIRST YEAR:								
SEMESTER-I:								
Sl.No	Code	Course Title	Course Type	Sem Exam	IA	Total	THPW	Credits
1	BBA101	Principles of Management	CC-1	35	15	50	5Hrs	5
2	BBA102	Basics of Marketing	CC-2	35	15	50	5Hrs	5
3	BBA103	Business Economics	CC-3	35	15	50	5Hrs	5
4	AECC1	Environmental Studies	AECC1	50	-	50	2Hrs	2
		Total					17Hrs	17
SEMESTER-II:								
5	BBA201	Organisational Behaviour	CC-4	35	15	50	5Hrs	5
6	BBA202	Business Statistics	CC-5	35	15	50	5Hrs	5
7	BBA203	Financial Accounting	CC-6	35	15	50	5Hrs	5
8.	BBA204	Business Correspondence and communication	CC-7	35	15	50	5Hrs	5
9.	AECC2	Basic Computer Skills	AECC2	50	-	50	2Hrs	2
		Total					22	22
SECOND YEAR:								
SEMESTER-III								
10	BBA301	Human Resource Management	CC-8	35	15	50	5Hrs	5
11	BBA302	Information Technology For Business	CC-9	35	15	50	4T+1P	5
12	BBA303	Financial Management	CC-10	35	15	50	5Hrs	5
13	SEC-1	Advanced Copmputers	EC-1	50	-	50	2Hrs	2
14	SEC-2	Business Policy and Strategy	EC-2	50	-	50	2Hrs	2
		Total					19 Hrs	19
SEMESTER-IV:								
15	BBA401	Business Law and Ethics	CC-11	35	15	50	5Hrs	5
16	BBA402	Market Research	CC-12	35	15	50	5Hrs	5
17	BBA403	Management Science	CC-13	35	15	50	5Hrs	5
18	SEC-3	Personality Development-II	EC-3	50	-	50	2 Hrs	2
19	SEC-4	Business Intelligence & Data Visualization	EC - 4	50	-	50	2Hrs	2
		Total					19 Hrs	19

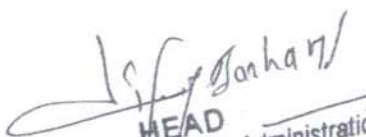

HEAD
Department of Business Administration
Anwarul Uloom College
New Mallepally, Hyderabad-51



Dr. Syed Khaja Safiuddin
Assistant Professor
Department of Management Studies
Maulana Azad National Urdu University
Gachibowli, Hyderabad. (T.S.)

(w.e.f 2020-21)

THIRD YEAR:								
SEMESTER-V:								
20	BBA501	Cost Accounting	CC-17	35	15	50	5Hrs	5
21	BBA502	Production and operations Management	CC-18	35	15	50	5Hrs	5
22	BBA503	Business Law	CC-19	35	15	50	5Hrs	5
23	BBA504	E- Commerce	CC-20	35	15	50	4T + 2P	5
24	BBA505	Human Resource Management	CC-21	35	15	50	5Hrs	5
25	BBA506	Financial Statement Analysis	CC-22	35	15	50	5Hrs	5
26	Add on	Business Ethics	EC-3	35	15	50	2Hrs	1
		Total					32	31
SEMESTER-VI:								
27	BBA601	Entrepreneurship Development	CC-23	35	15	50	5Hrs	5
28	BBA602	Business Communication	CC-24	35	15	50	5Hrs	5
29	BBA603	Industrial Relations Management	CC-25	35	15	50	5Hrs	5
30	BBA604	Web Technologies (Project Report)	CC-26	35R	15VV (PR)	50	4T + 2P	5
31	BBA605	Investment Management	CC-27	35	15	50	5Hrs	5
32	BBA606	International Finance	CC-28	35	15	50	5Hrs	5
33	BBA607	Project		35R	15VV	50	Internship	5
34	IDE	Time /management	EC-3	35	15	50	2Hrs	1
35	S&C	Science and Civilization	FC-3	35	15	50	2Hrs	2
36		Total					35	38
		Grand Total					150	158

Notation : T – Theory, P – Practical, R – Report, VV – Viva Voice Examination, CT – Course Title, CC – Core Courses, EC – Elective Course, CVW – Certified Voluntary Work, FC – (value Education) Foundation Course.


HEAD
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Dr. Syed Khaja Safiuddin
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Gachibowli, Hyderabad. (T.S.)

STRUCTURE OF B.B.M DEGREE COURSE w.e.f. ACADEMIC YEAR 2020 onwards								
SEMESTER-I								
Sl.No	Code	Course Title	Course Type	Sem Exam	IA	Total	HPW	Credits
1	ELS-1	English (First Language) 1	-	35	15	50	4Hrs	4
2.	MIL-1	MIL-1	-	35	15	50	4Hrs	4
3.	AECC-1	Environmental Science	AECC1	50	-	50	2Hrs	2
4	BBM101	Principles of Management	DSC-1	35	15	50	5Hrs	5
5	BBM102	Financial Accounting	DSC-2	35	15	50	5Hrs	5
6	BBM103	Business Economics	DSC-3	35	15	50	5Hrs	5
		Total					25 Hrs	25
SEMESTER-II:								
7.	ELS-2	English (First Language) 2	-	35	15	50	4Hrs	4
	MIL-2	MIL-2	-	35	15	50	4Hrs	4
	AECC-2	Basic Computer Skills	AECC2	50	-	50	2Hrs	2
5	BBM201	Fundamentals of Marketing	DSC-4	35	15	50	5Hrs	5
6	BBM202	Business Statistics	DSC-5	35	15	50	5Hrs	5
7	BBM203	Business Correspondence and Communication	DSC-6	35	15	50	5Hrs	5
		Total					25Hrs	25

Dr. Syed Khaja Safiuddin
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Dr. Syed Khaja Safiuddin
Dr. Syed Khaja Safiuddin
 Assistant Professor
 Department of Management Studies
 Maulana Azad National Urdu University
 Gachibowli, Hyderabad. (T.S.)

TELANGANA STATE COUNCIL OF HIGHER EDUCATION
PROPOSED CBCS COMMON CORE SCHEME FOR B.S.C. COURSE
OPTIONAL -I: BOTANY

CODE	PAPER TITLE	Course Type	HPW	Credits
FIRST YEAR SEMSTER - I				
BS 104	PAPER-I : Microbial Diversity and Lower Plants	DSC-1A	4T+2P=6	4+1=5
FIRST YEAR SEMSTER - II				
BS 204	PAPER-II: Gymnosperms, Taxonomy of Angiosperms and Ecology	DSC-1B	4T+2P=6	4+1=5
SECOND YEAR SEMSTER - III				
BS 301	SEC-1: Nursery and Gardening	SEC-1	2	2
BS 302	SEC-2: Biofertilizers and Organic Farming	SEC-2	2	2
BS 304	PAPER-III: Plant Anatomy and Embryology	DSC-1C	4T+2P=6	4+1=5
SECOND YEAR SEMSTER - IV				
BS 401	SEC-3: Greenhouse Technology	SEC-3	2	2
BS 402	SEC-4: Mushroom Culture Technology	SEC-4	2	2
BS 404	PAPER-IV : Cell Biology, Genetics & Plant Physiology	DSC-1D	4T+2P=6	4+1=5
THIRD YEAR SEMESTER - V				
BS 501	GE-1: Industrial Microbiology	GE-1	4T	4
BS 502	DSE -1A: Biodiversity & Conservation DSE -1B: Economic Botany DSE -1C: Seed Technology	DSE-1A / DSE-1B / DSE-1C	4+2	4+1
THIRD YEAR SEMESTER - VI				
BS 601	DSE-3: Project	PROJECT	4	4
BS 602	DSE -2A: Plant Molecular Biology DSE -2B: Tissue Culture and Biotechnology DSE -2C: Analytical Techniques in Plant Sciences	DSE-2A / DSE-2B / DSE-5E	4T+2P=6	4+1=5

AECC: Ability Enhancement Compulsory Course, SEC: Skill Enhancement Course, GE: Generic Elective, DSC: Discipline Specific Core, DSE: Discipline Specific Elective.

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CHAIRMAN
BOS IN BOTANY
 Prof. (Mr.) *Vijaya Lakshmi*
 DEPARTMENT OF BOTANY,
 University College
 HYDERABAD.

Anwarul Uloom College

Botany UG Syllabus (I-VI) Semester

S.No	Semester	Course /Paper	Units	Teaching Hrs	No. of Credits
	Sem I & II 2019-20				
1.	I	Paper-I Theory Microbial Diversity and Lower Plants	4	4 hrs	4
		Practical-Paper I: Microbial Diversity and Lower Plants		2hrs	1
		AECC I: Environmental Studies	2	2hrs	2
2.	II	Paper-II Theory Gymnosperms, Taxonomy of Angiosperms and Ecology	4	4 hrs	4
		Practical-Paper II: Gymnosperms, Taxonomy of Angiosperms and Ecology		2hrs	1
		AECC II: Basic Computer Skills	2	2hrs	2
	Sem III & IV 2019-20				
3.	III	Paper-III Theory Anatomy and Embryology	4	4hrs	4
		Practical-Paper III Anatomy and Embryology		2hrs	1
		SEC 1: Nursery and Gardening	2	2hrs	2
4.	IV	Paper-IV Theory Cell Biology, Genetics & Physiology	4	4hrs	4
		Practical-Paper IV: Cell Biology, Genetics & Physiology		2hrs	1
		SEC II: Biofertilizers and Organic Farming.	2	2hrs	2

CHAIRPERSON
BOS IN BOT

[Handwritten signatures and initials]

Prof. (Mrs) Kiranika Rana
DEPARTMENT OF BOTANY,
University College
HYDERABAD.

Anwarul Uloom College

Botany UG Syllabus (I-VI) Semester

Sem V & VI 2018-19					
5.	VA	Paper-VA Theory Cell Biology & Genetics	4	4 hrs	4
	VB	Paper - VB Theory Ecology & Biodiversity Practical-Paper VA: Cell Biology & Genetics Practical-paper VB Ecology & Biodiversity SEC III : Green House Technology GE I : Industrial Microbiology	4	4 hrs 2 hrs ✓ 2 hrs 2 hrs 2 hrs	4 1 1 2 2
6.	VIA	Paper-VI A Theory Physiology & Biotechnology	4	4 hrs	4
	VIB	Paper VI B- Theory Physiology, Tissue Culture & Seed Technology	4	4 hrs	4
		Practical-Paper VIA: Physiology & Biotechnology		2 hrs	1
		Practical -Paper VIB: Physiology, Tissue Culture & Seed Technology		2 hrs 2 hrs	1 2
	SEC IV : Mushroom Culture Technology GE II: E-Waste Management		2 hrs	2	

Sadee
CHAIR PERSON
BOS IN BOTANY

Sadee
Prof. (Mrs) Rirmela Baha Re.
DEPARTMENT OF BOTANY,
University College
BYDERABAD.

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M.Sc. Botany Marks Distribution: Semester I

Paper	Title	Theory ,Practicals/Week	UNITS =4 Credits	Max.Marks Theory& Practicals
I	Phycology and Mycology Theory& Practical	4 HRS 2HRS	4 2	80 External +20Internal=100 PR=50
II	Bryophyta and Pteridophyta Theory& Practical	4 HRS 2HRS	4 2	80+20=100 PR=50
III	Taxonomy and Medicinal Botany Theory & Practical	4 HRS 2HRS	4 2	80+20=100 PR=50
IV	Plant BioChemistry Theory & Practical	4HRS 2HRS	4 2	80+ 20=100 PR=50
V	Communicative English & Soft Skills (Add on Paper)	2 HRS	2	50Marks. Total Marks =650

CHAIR PERSON
BOS IN BOTANY

[Signature]

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Prof. (Mrs.) Nimma Bishu Ka.
DEPARTMENT OF BOTANY,
University College :
HYDERABAD.

Hake *Sumera* *[Signature]* *[Signature]* *[Signature]* *[Signature]* *[Signature]*

M.Sc. Botany Semester-II

Semester-II

Paper	Title	Theory , Practicals /Week	Units =4 Credits	Max.Marks Theory & Practicals
I	Applied Phycology and Mycology Theory & Practicals	4 HRS 4 HRS	4 2	100 PR=50
II	Gymnosperms and Embryology Theory & Practicals	4 HRS 4 HRS	4 2	100 PR=50
III	Plant Anatomy and Palynology Theory & Practicals	4 HRS 4 HRS	4 2	100 PR=50
IV	Plant Physiology Theory & Practicals	4 HRS 4 HRS	4 2	100 PR=50
V	Human Values and Professional Ethics (Add on Paper)	2 HRS	2	50 Total =650

CHAIRPERSON
BOS IN BOTANY

Haba

Sumera

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Sumera

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SA

SA

Prof. (Mrs) Nirmala Bhat R
DEPARTMENT OF BOTANY,
University College
HYDERABAD

SA

Semester III

Paper	Title	Theory , Practicals/Week	Units=4 Credits	Max.Marks Theory & Practicals
I	Cell Biology ,Genetics and Biostatistics Theory &	4 HRS	4	100
	Practicals	4 HRS	2	PR=50
II	Environmental Pollution and Protection Theory	4 HRS	4	100
	& Practical	4 HRS	2	PR=50
III	Cytogenetics Theory &	4 HRS	4	100
	Practicals	4 HRS	2	PR=50
IV	Genetics Theory &	4 HRS	4	100
	Practicals	4 HRS	2	PR=50
V	IDE Course : Seed Technology	2 hrs.	2	50 Total=650

CHAIR PERSON
BOS IN BOTANY

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Prof. (Mrs) Nirmala Baba M.
DEPARTMENT OF BOTANY,
University College (U.C.)
HYDRABAD.

Semester IV

Paper	Title	Theory, Practicals /Week	Units=4 Credits	Max.Marks Theory
I	Ecology & Phtogeography Theory&	4 HRS	4	100
	Practicals	4HRS	2	PR=50
II	Horticulture and Plant Breeding Theory&	4 HRS	4	100
	Practicals	4HRS	2	PR=50
III	Molecular Genetics & Recombinant DNA Technology Theory&	4 HRS	4	100
	Practicals	4HRS	2	PR=50
IV	<u>Project Work</u>		6 credits	100 + 50 Presentation Viva
V	IDE Course : Polyhouse Technology	2HRS	2	50
				Total =650

CHAIRMAN
BOTANY

Hafeez

Prof. J. S. J.

Sumera

Prof. (Mrs) Girija Reddy
DEPARTMENT OF BOTANY,
University College
HYDRABAD.

**DEPARTMENT OF BOTANY,
OSMANIA UNIVERSITY
M.Sc. BOTANY (CBCS)
(Effective from Academic Year 2020-21)**

Semester-I

Subject Code	Subject / Paper	Theory / Practical	Instruction	Credits	Evaluation		Duration of External Examination
			Hrs /Week Th./ Pr.		Internal	External	
MBOT.CC.T.1.101	Phycology and Mycology	Theory (Paper-I)	4	4	20	80	3
MBOT.CC.T.1.102	Bryophyta & Pteridophyta	Theory (Paper-II)	4	4	20	80	3
MBOT.CC.T.1.103	Taxonomy of Angiosperms and Medicinal Botany	Theory (Paper-III)	4	4	20	80	3
MBOT.CC.T.1.104	Plant Biochemistry	Theory (Paper-IV)	4	4	20	80	3
MBOT.CC.P.1.105	Practical Lab - I	Practical (Paper-I)	4	2	-	50	4
MBOT.CC.P.1.106	Practical Lab - II	Practical (Paper-II)	4	2	-	50	4
MBOT.CC.P.1.107	Practical Lab-III	Practical (Paper-III)	4	2	-	50	4
MBOT.CC.P.1.108	Practical Lab-IV	Practical (Paper-IV)	4	2	-	50	4
			32	24	600		

CHAIRPERSON
BOS IN BOTANY

Prof. (Mrs) Nimata Biba Ra
DEPARTMENT OF BOTANY,
University College :
HYDERABAD.

Hafsa

Sh.

Shesara

Sumera

Sh.

Semester-II

2020-21

Subject Code	Subject / Paper	Theory / Practical	Instruction Hrs / Week	Credits	Evaluation		Duration of External Examination
			Th / Pr.		Internal	External	
MBOT.CC.T.1.201	Applied Phycology and Mycology	Theory (Paper-I)	4	4	20	80	3
MBOT.CC.T.1.202	Gymnosperms and Embryology	Theory (Paper-II)	4	4	20	80	3
MBOT.CC.T.1.203	Plant Anatomy and Palynology	Theory (Paper-III)	4	4	20	80	3
MBOT.CC.T.1.204	Plant Physiology	Theory (Paper-IV)	4	4	20	80	3
MBOT.CC.P.1.205	Practical Lab - I	Practical (Paper-I)	4	2	-	50	4
MBOT.CC.P.1.206	Practical Lab - II	Practical (Paper-II)	4	2	-	50	4
MBOT.CC.P.1.207	Practical Lab - III	Practical (Paper-III)	4	2	-	50	4
MBOT.CC.P.1.208	Practical Lab - IV	Practical (Paper-IV)	4	2	-	50	4
			32	24	600		

CHAIR PERSON
BOS IN BOTANY

Hafsa

M.

Ramesh

Ramesh

St

Prof. (Mrs) Kiranla Bala Rao
DEPARTMENT OF BOTANY,
University College
HYDERABAD.

also

SEMESTER - III

2020-21

Subject Code	Subject / Paper	Theory / Practical	Instruction Hrs / Week		Credits	Evaluation		Duration of External Examination
			Th / Pr.			Internal	External	
MBOT.CC.T.2.301	Cell Biology, Genetics and Biostatistics	Theory (Paper-I)	4		4	20	80	3
MBOT.CC.T.2.302	Environmental Pollution & Protection	Theory (Paper-II)	4		4	20	80	3
MBOT.EC.T.2.303	Specialization - (A/B/C/D/E)	Theory (Paper-III)	4		4	20	80	3
MBOT.EC.T.2.304	Specialization - (A/B/C/D/E)	Theory (Paper-IV)	4		4	20	80	3
MBOT.CC.P.2.305	Practical Lab - I	Practical (Paper-I)	4		2	-	50	4
MBOT.CC.P.2.306	Practical Lab - II	Practical (Paper-II)	4		2	-	50	4
MBOT.EC.P.2.307	Practical Lab - III	Practical (Paper-III)	4		2	-	50	4
MBOT.EC.P.2.308	Practical Lab - IV	Practical (Paper-IV)	4		2	-	50	4
			32		24	600		

**CHAIR PERSON
BOS IN BOTANY**

Haksa

Sumera

Pr.

Sumera

[Signature]

[Signature]

[Signature]
Prof. (Mrs) Nirmala Baba Rao
 DEPARTMENT OF BOTANY,
 University College
 HYDERABAD.

[Signature]

SEMESTER - IV

2020-21

Subject Code	Subject / Paper	Theory / Practical	Instruction Hrs /Week	Credits	Evaluation		Duration of External Examination
			Th./ Pr.		Internal	External	
MBOT.CC.T.2.401	Ecology & Phytogeography	Theory (Paper-I)	4	4	20	80	3
MBOT.CC.T.2.402	Horticulture & Plant Breeding	Theory (Paper-II)	4	4	20	80	3
MBOT.EC.T.2.403	Specialization - (A/B/C/D/E)	Theory (Paper-III)	4	4	20	80	3
MBOT.EC.T.2.404	Specialization - (A/B/C/D/E) / Project*	Theory (Paper-IV) / Project*	4	4	20	80	3
MBOT.CC.P.2.405	Practical Lab - I	Practical (Paper-I)	4	2	-	50	4
MBOT.CC.P.2.406	Practical Lab - II	Practical (Paper-II)	4	2	-	50	4
MBOT.EC.P.2.407	Practical Lab - III	Practical (Paper-III)	4	2	-	50	4
MBOT.EC.P.2.408	Practical Lab - IV / Project*	Practical (Paper-IV) / Project*	4	2	-	50	4
			32	24	600		

* Project work / Dissertation in place of one elective course and one practical that accounts to 6 Credits.

Total number of Credits for the 2-year M.Sc. Botany Programme: 96

Note: Specializations (A/B/C/D/E): Given in next page

Hafsa
Sumar

CHAIR PERSON
BOS IN BOTANY

Dr. [Signature]
Dr. [Signature]
Dr. [Signature]

[Signature]
Prof. (Mrs) Nimisha Beha R.
DEPARTMENT OF BOTANY,
University College
HYDERABAD.


[Signature]

ANWARUL ULOOM COLLEGE

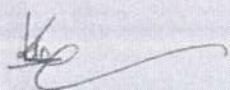
B.Sc (M.P.C; B.Z.C. B.M.C & N.Z.C)

SUBJECT: CHEMISTRY

Year	Semester	Course / Paper	Code. No.	Teaching hrs/Week	No. of Credits
I	I	Paper-I (Theory)	6109	4 Hrs	4
		Paper-II (Practicals)	6109 P	2 Hrs	1
		1 st AECC I Environmental Studies		2 Hrs	1
	II	Paper-II (Theory)	6209	4 Hrs	4
		Paper-II (Practicals)	6209 P	2 Hrs	1
		AECC-II Basic Computer Skills		2 Hrs	2
II	III	Paper-I (Theory)	6309	4 Hrs	4
		Paper-II (Practicals)	6309P	2 Hrs	1
		SECC I: Rules In Chemistry Laboratory	A6309	2 Hrs	1
	IV	Paper-IV (Theory)	6409	4 Hrs	4
		Paper-IV (Practicals)	6409P	2 Hrs	1
		SECC II:Preparation Of Lab Reagents	I6409	2 Hrs	1
III	V	Paper V(Theory)	6509	4 Hrs	4


 Head
 Department of Chemistry
 UCC, Government University
 Huzarabad

	Paper – VA (Elective)	6509A	4 Hrs	4
	Paper- VB(Elective)	6509B	4 Hrs	4
	Paper – V- P-1(Practicals)	6509V-P1	2 Hrs	1
	Paper- V- P-2(Practicals)	6509V-P2	2 Hrs	1
	SECC III-Industrial Chemistry	A6509	2 Hrs	1
	GE I: Soaps & Detergents	G6509	2Hrs	1
VI	Paper-VI(Theory)	6609	4 Hrs	4
	Paper – VIA (Elective)	6609A	4 Hrs	4
	Paper- VIB(Elective)	6609B	4 Hrs	4
	Paper – VI-P1 (Practicals)	I6609VIP1	2 Hrs	1
	Paper-VI-P-2(Practicals)	6609VI-P2	2 Hrs	1
	SECC IV-Water Technology	S6609	2 Hrs	1
	GE II: Fuel Chemistry	G6609	2Hrs	1

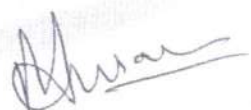

 Head
 Department of Chemistry
 UCO, Osmania University
 Hyderabad-007

**ANWARUL ULOOM COLLEGE
(AUTONOMOUS)
M.Sc. BIOTECHNOLOGY SYLLABUS (2020 – 2021)**

2

CHOICE BASED CREDIT SYSTEM (CBCS)

SEMESTER – I							
S No	Syllabus Ref No	Subject	Credits	Teaching Hours	Mark		
					Internal Assessment	Semester Exam	Total
THEORY							
1.	BT 101 T	Cell Biology and Genetics	4	4	20	80	100
2.	BT 102 T	Biological chemistry	4	4	20	80	100
3.	BT 103 T	Microbiology	4	4	20	80	100
4.	BT 104 T	Statistics, laboratory management & safety, entrepreneurship	4	4	20	80	100
PRACTICALS							
1.	BT 151 P	Cell Biology and Genetics	2	4		50	50
2.	BT 152 P	Biological chemistry	2	4		50	50
3.	BT 153 P	Microbiology	2	4		50	50
4.	BT 154 P	Statistics, LM&S, & E.	2	4		50	50
	ADD ON	Communicative English & soft skills	2	2		50	50
		Total	26	34	80	570	650


HEAD
 Department of Biotechnology
ANWAR-UL-ULOOM COLLEGE
 Mallepally, Hyderabad-500 001.

Anwarul Uloom College (Autonomous)

Department of Biotechnology

B. Sc (B. M. C)

Subject: BIOTECHNOLOGY (2020 – 2021)

S. No.	Year	Sem	Paper / Title	Teaching Hours /Week	Units	Credits	Marks		
							Internal Assessment	End Semester	Total
1	1 st Year 2021	I	6108 T: Cell Biology & Genetics - Theory	4	4	4	15	35	50
2			6108 P: Cell biology & Genetics - Practical	2	-	2	-	20	20
3			Environmental science (AECC-I)	2	-	2	-	50	50
4	1 st Year 2021	II	6208 T - Nucleic acids & Biochemistry Theory	4	4	4	15	35	50
5			6208 P: Nucleic Acids & Biochemistry -Practical	2	-	2	-	20	20
6			Basic Computer Skills (AECC-II)	2	-	2	-	50	50
7	2 nd Year 2020	III	6308 T: Molecular biology & rDna Technology -- Theory	4	4	4	15	35	50
8			6308 P: Molecular biology & rDna Technology -- Practical	2	-	1	-	25	25
9			Ezyme technology -(SECC I)	2	-	2	-	50	50
10	2 nd Year 2020	IV	6408 T: Biostatistics & Bioinformatics Theory	4	4	4	15	35	50
11			6408 P - : Biostatistics & Bioinformatics Practical	2	-	1	-	25	25
12			Immuno Technology-- (SECC- II)	2	-	2	-	50	50
13	3 rd Year 2019	V	6508 TA : Molecular Biology A - Theory	4	4	4	15	35	50
14			6508 PA: Molecular Biology A - Practical	2	-	1	-	25	25
15			6508 TB: B - : r-DNA technology Theory	4	4	4	15	35	50
16			65078 PB: : r-DNA technology B - Practical	2	-	1	-	25	25
17			Plant Breeding - (SECC- III)	2	2	2	-	50	50
18	Medical Biotechnology-- (GE- I)	2	2	2	-	50	50		
19	3 rd Year 2020	VI	6608 TA Microbial Technology A - Theory	4	4	4	15	35	50
20			6608 TA: Microbial Technology A - Practical	2	-	1	-	25	25
21			6608 TB: Microbial Technology B - Theory	4	4	4	15	35	50
22			6607 TB: Microbial Technology B - Practical	2	-	1	-	25	25
23			Intellectual Property rights - (SECC- IV)	2	2	2	-	50	50
24			Animal Biotechnology - (GE-III)	2	2	2	-	150	150

AECC – Ability Enhancement Compulsory Course

SECC – Skill Enhancement Compulsory Course

GE – Generic Electives


Head of the Department

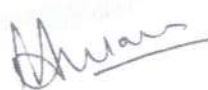
ANWARUL ULOOM COLLEGE
(AUTONOMOUS)
M.Sc. BIOTECHNOLOGY SYLLABUS (2020 – 2021)

CHOICE BASED CREDIT SYSTEM (CBCS)

SEMESTER -II

S No	Syllabus Ref No	Subject	Credits	Teaching Hours	Mark		
					Internal Assessment	Semester Exam	Total
THEORY							
1.	BT 201 T	Molecular Biology-The Genome	4	4	20	80	100
2.	BT 202 T	Molecular Biology-Genes to Proteins	4	4	20	80	100
3.	BT 203 T	Immunology	4	4	20	80	100
4.	BT 204 T	Microbial technology	4	4	20	80	100
PRACTICALS							
1.	BT 251 P	Molecular Biology-The Genome	2	4		50	50
2.	BT 252 P	Molecular Biology- Genes to Proteins	2	4		50	50
3.	BT 253 P	Immunology	2	4		50	50
4.	BT 254 P	Microbial technology	2	4		50	50
	IDE	HBPE	2	2		50	50
		Total	26	34	80	570	650

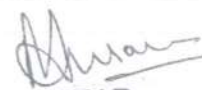
T- Theory, P-Practical


HEAD
Department of Biotechnology
ANWAR-UL-ULOOM COLLEGE
Mallepally, Hyderabad-500 001.

ANWARUL ULOOM COLLEGE
(AUTONOMOUS)
M.Sc. BIOTECHNOLOGY SYLLABUS (2020 – 2021) 7
CHOICE BASED CREDIT SYSTEM (CBCS)

SEMESTER – III

S No	Syllabus Ref No	Subject	Credits	Teaching Hours	Marks		
					Internal Assessment	Semester Exam	Total
THEORY							
1.	BT 301 T	Recombinant DNA technology	4	4	20	80	100
2.	BT 302 T	Bioinformatic & Its Applications	4	4	20	80	100
3.	BT 303 T	Elective: A. Advance in plant Biotechnology (or) B. Food Biotechnology B. Protein Engineering	4	4	20	80	100
4.	BT 304 T	Elective: A. Animal Biotechnology (or) B. Protein Engineering	4	4	20	80	100
PRACTICALS							
1.	BT 351 P	Recombinant DNA technology	2	4		50	50
2.	BT 352 P	Bioinformatic & Its Applications	2	4		50	50
3.	BT 353 P	Elective: A. Advance in plant Biotechnology (or) B. Food Biotechnology	2	4		50	50
4.	BT 354 P	Elective: A. Animal Biotechnology (or) B. Protein Engineering	2	4		50	50
	IDE	Applications of Biotechnology	2	2		50	50
		Total	26	34	80	570	650



HEAD

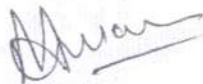
Department of Biotechnology
ANWAR-UL-ULOOM COLLEGE
Malkajgiri, Hyderabad-500 001.

ANWARUL ULOOM COLLEGE
(AUTONOMOUS)
M.Sc. BIOTECHNOLOGY SYLLABUS (2020 – 2021)
CHOICE BASED CREDIT SYSTEM (CBCS)

SEMESTER – IV

S No	Syllabus Ref No	Subject	Credits	Teaching Hours	Marks		
					Internal Assessment	Semester Exam	Total
THEORY							
1.	BT 401 T	Bioprocess Engineering	4	4	20	80	100
2.	BT 402 T	Medical Biotechnology	4	4	20	80	100
3.	BT 403 T	Elective: A.Environmental Biotechnology B.Biopharmacology	4	4	20	80	100
4.	BT 404 T	ProjectWork	6				150
PRACTICALS							
1.	BT 451 P	BioprocessEngineering	2	4		50	50
2.	BT 452 P	MedicalBiotechnology	2	4		50	50
3.	BT 453 P	Elective: A.EnvironmentalBiotechnology B.Biopharmacology	2	4		50	50
	IDE	Food biotechnology	2	2		50	50
		Total	26	26	60	440	650
		Grandtotal					2600

T- Theory, P-Practical


HEAD
Department of Biotechnology
ANWAR-UL-ULOOM COLLEGE
Mallepally, Hyderabad-500 001.



Anwarul Uloom College (Autonomous)
New Mallepally, Hyderabad



(Re-Accredited with NAAC with A Affiliated to Osmania
University- Grade)

Department of Chemistry

M. Sc. (Chemistry) First Year

Paper Titles & Marks Details
(2020-2021)

(Course Structure & Scheme of Examinations)

S. No.	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
						Max.	Min.			
M. Sc. 1 st Year, I – Semester (CBCS)										
1	I	511 T	Inorganic Chemistry Theory	4 Hrs	20	80	32	100	4	3 Hrs
		511 P	Inorganic Chemistry Practical	6 Hrs	-	50	25	75	3	3 Hrs
2	II	512 T	Organic Chemistry Theory	4 Hrs	20	80	32	100	4	3 Hrs
		512 P	Organic Chemistry Practical	6 Hrs	-	50	25	75	3	3 Hrs
3	III	513 T	Physical Chemistry Theory	4 Hrs	20	80	32	100	4	3 Hrs
		513 P	Physical Chemistry Practical	6 Hrs	-	50	25	75	3	3 Hrs
4	IV	514 T	Analytical Techniques & Spectroscopy – I Theory	4 Hrs	20	80	32	100	4	3 Hrs
5		116	Add On: Communicative English & Soft Skills	2 Hrs	-	50	-	50	2	2 Hrs
			Total	36 Hrs				675	27	
M. Sc. 1 st Year, II – Semester (CBCS)										
1	I	521 T	Inorganic Chemistry Theory	4 Hrs	20	80	32	100	4	3 Hrs
		521 P	Inorganic Chemistry Practical	6 Hrs	-	50	25	75	3	3 Hrs
2	II	522 T	Organic Chemistry Theory	4 Hrs	20	80	32	100	4	3 Hrs
		522 P	Organic Chemistry Practical	6 Hrs	-	50	25	75	3	3 Hrs
3	III	523 T	Physical Chemistry Theory	4 Hrs	20	80	32	100	4	3 Hrs
		523 P	Physical Chemistry Practical	6 Hrs	-	50	25	75	3	3 Hrs
4	IV	524 T	Analytical Techniques & Spectroscopy – II Theory	4 Hrs	20	80	32	100	4	3 Hrs
5		116	Add On: Human values & Professional Ethics	2 Hrs	-	50	-	50	2	2 Hrs
			Total	36 Hrs				675	27	

HEAD Head of the Department
Department of Chemistry,
Anwarul Uloom College,
New Mallepally, Hyderabad.

Note: 1) For each paper there will be Semester Examination for 80 Marks and 20 Marks for Internal Assessment
 2) 15 Marks for Internal Assessment and 5 Marks for Assignment in the subject, average of two shall be considered for the award of the Marks.
 3) Add - on and I D E Courses marks and credits are not considered for Aggregate of Marks and Aggregate of total credits and for award of Division



Anwarul Uloom College (Autonomous)
 New Mallepally, Hyderabad



(Re-Accredited with NAAC with A Affiliated to Osmania University- Grade)

Department of Chemistry

M. Sc. (Chemistry) Final Year

Paper Titles & Marks Details
 (2020 - 2021)
 (Course Structure & Scheme of Examinations)

S. No.	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
						Max.	Min.			
M. Sc. 2 nd Year, III - Semester (C B C S)										
1	I	531 T	Synthetic Reagents, Conformational Analysis and O R D Theory	4 Hrs	20	80	32	100	4	3 Hrs
		531 P	Synthesis of Organic Molecules, Isolation of Natural Products and T L C Practical	6 Hrs	-	50	25	50	3	3 Hrs
2	II	532 T	Modern Organic Synthesis Theory	4 Hrs	20	80	32	100	4	3 Hrs
		532 P	Synthesis and Analysis of Drugs and Column Chromatography Practical	6 Hrs	-	50	25	50	3	3 Hrs
3	III	533 T	Bio-Organic Chemistry Theory	4 Hrs	20	80	32	100	4	3 Hrs
4	IV	534 T	Green Chemistry and Organic Materials Theory	4 Hrs	20	80	32	100	4	3 Hrs
5		136	I D E: Biotechnology & Healthcare	2 Hrs	-	50	-	50	2	2 Hrs
			Seminar	2 Hrs	-	25	-	25	1	-
			Total	32 Hrs				575	25	
M. Sc. 2 nd Year, IV - Semester (C B C S)										
1	I	541 T	Drug Design & Drug Discovery Theory	4 Hrs	20	80	32	100	4	3 Hrs

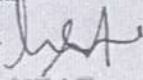
		541 P	Spectroscopic Identification of Organic Compounds and Practical of Chemistry Software Programmes Practical	6 Hrs	-	100	50	100	4	3 Hrs
2	II	542 T	Drug Synthesis & Mechanism of action Thoery	4 Hrs	20	80	32	100	4	3 Hrs
3	III	543 T	Advanced Heterocyclic Chemistry	4 Hrs	20	80	32	100	4	3 Hrs
4	IV	544 T	Advanced Natural Product	4 Hrs	20	80	32	100	4	3 Hrs
			Seminar	2 Hrs	-	25	-	25	1	-
			Project Work					100	4	
5		146	I D E: Food Microbiology	2 Hrs	-	50	-	50	2	2 Hrs
			Total	24 Hrs				675	27	

Head of the Department

Total Credits: 100 & Total Marks: 2,600

Note: 1) For each paper there will be Semester Examination for 80 Marks and 20 Marks for Internal Assessment 2) 15 Marks for Internal Assessment and 5 Marks for Assignment in the subject, average of two shall be considered for the award of the Marks

3) Add - on and I D E Courses marks and credits are not considered for Aggregate of Marks and Aggregate of total credits and for award of Division


HEAD
 Department of Chemistry,
 Anwarul Uloom College,
 New Mallepally, Hyderabad.

ANWARUL- ULOOM COLLEGE (AUTONOMOUS)
DEPARTMENT OF MATHEMATICS
 (Choice Based Credit System) (Academic year 2020-2021)
B.Sc MATHEMATICS

Year	Sem	Paper	Units	Teaching hours	No of Credits	Marks IA + sem exm
Ist Code DSC-I 6214	I 2019-20 Batch 20-21	Paper I (theory) Differential and Integral Calculus	5	5	5	15+35=50
		AEC-I: Environmental Studies	2	2	2	50
Ist DSC-II 6214	II 2019-20 Batch	Paper II (theory) Differential Equations	5	5	5	15 +35=50
		AEC-II: Basic Computer skills	2	2	2	50
IInd DSC III 6314	III 2018-19 Batch 2019-20	Paper III (theory) Real Analysis	4	4	4	15 +35=50
		Paper III (practicals)	2	2	1	25
		SECC-I Graph theory	2	2	1	50
IInd DSC IV 6414	IV 2018-19 Batch 2019-20	Paper IV (theory) Algebra	4	4	4	15 +35=50
		Paper IV (practicals)	2	2	1	25
		SECC-II :Commercial Maths	2	2	1	10+40=50

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 Head Dept. of Mathematics
 Anwarul-Uloom College
 New Mailepally
 512002, AP

IIIrd 503A 2017-18 Batch 503B P	V	Paper Va (theory) LINEAR ALGEBRA	4	4	4	15 + 35 = 50
		Paper Va (practicals)	2	2	1	25
		Paper Vb (theory) Solid Geometry	4	4	4	15 + 35 = 50
		Paper Vb (practicals)	2	2	1	25
		SECC III: Prob. & Statistics	2	2	2	50
		GE- I Basic Statistics	2	2	2	50
IIIrd 603A 603B 603AP 603BP	VI 2017-18 Batch	Paper VIa (theory) Numerical Analysis	4	4	4	15 + 35 = 50
		Paper VIa (practicals)	2	2	1	25
		Paper VIb (theory) Vector Calculus	4	4	4	15 + 35 = 50
		Paper VIb (practicals)	2	2	1	25
		SECC IV: Basic Maths	2	2	2	50
		GE-II Number System	2	2	2	50

103

Head Dept. of Mathematics
Sri Venkateswara College
Bapatla
Guntur District, A.P.

ANWARUL- ULOOM COLLEGE (AUTONOMOUS)

New Mallepally, Hyderabad

DEPARTMENT OF MATHEMATICS

(Choice Based Credit System)

(Academic year 2019 – 20)

M.Sc APPLIED MATHEMATICS

Semester I

Subjects	code	Paper	Hours / Week	Theor y	IA+Sem Exam	Credits
Core	AM 101	Abstract Algebra	4	4	20+80	4
Core	AM 102	Mathematical Analysis	4	4	20+80	4
Core	AM 103	Ordinary and Partial Differential Equations	4	4	20+80	4
Core	AM 104	Mechanics	4		20+80	4
Core	AM 105	Integral Transform	4	4	20+80	4
		Seminar	2	2	25	1
	Add-On	Communicative English & Soft Skills	2	2	50	2
	Total				575	23

Semester II

Subjects	code	Paper	Hours/ Week	Theory	IA+Sem Exam	Credits
Core	AM 201	Galois Theory	4	4	20+80	4
Core	AM 202	Lebesgue measure & Integration	4	4	20+80	4
Core	AM 203	Complex Analysis	4	4	20+80	4
Core	AM 204	Fluid Mechanics	4	4	20+80	4
Core	AM 205	Theory of Ordinary Differential Equations	4	4	20+80	4
		Seminar	2	1	25	1

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Head of Department
Anwarul Uloom College
New Mallepally
HYDERABAD, AP

	Add-On	Human Values & Professional Ethics	2	2	50	2
	Total				575	23

T*- Tutorial Class for problem Solving with No Credit.

ANWARUL- ULOOM COLLEGE (AUTONOMOUS)

New Mallepally, Hyderabad

DEPARTMENT OF MATHEMATICS

(Choice Based Credit System) (Academic year 2019 – 20)

M.Sc APPLIED MATHEMATICS

Semester III

Subjects	code	Paper	Hours/Week	Theory	T*	IA+Sem Exam	Credits
Core	AM 301	Finite difference Method	6	5	1	20+80	5
Core	AM 302	Viscous flows	6	5	1	20+80	5
Core	AM 303	Linear Algebra	6	5	1	20+80	5
Elective	AM 304(A)	Operations Research	6	5	1	20+80	5
	AM 304(B)	Compressible flows					
	AM 304(C)	Computational Fluid Dynamics					
Elective	AM 305(A)	Elementary Number Theory	5	4	1	20+80	4
	AM 305(B)	Numerical Analysis					
	AM 305(C)	Topology					
		Seminar	2	2		25	1
	IDE	Basic Maths - I	2	2		50	2
	Total		31			575	27

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Head Dept.

Head Dept. of Mathematics,
Anwarul-Uloom College,
New Mallepally,
Hyderabad, A.P.

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Semester IV

Subjects	code	Paper	Hours/ Week	Theory	T*	IA+Sem Exam	Credits
Core	AM 401	Integral Equation & Calculus of variation	6	5	1	20+80	5
Core	AM 402	Finite Element Methods	6	5	1	20+80	5
Core	AM 403	Functional Analysis	6	5	1	20+80	5
Elective	AM 404(A)	Magneto hydrodynamics	6	5	1	20+80	5
	AM 404(B)	Bio-Mechanics					
	AM 404(C)	Differential Geometry					
Elective	AM 405(A)	Discrete Mathematics	5	4	1	20+80	4
	AM 405(B)	Advance Operations Research					
	AM 405(C)	Advance Complex Analysis					
		Seminar	2	2		25	1
	IDE	Basic Maths - II	2	2		50	2
	Total		31			575	27

T*- Tutorial Class for problem Solving with No Credit.

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Head Dept. of Mathematics
Anwar-ul-Uloom Centre
New Malapally
HYDRABAD, T.P.

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COURSE: B.Sc., SUBJECT : PHYSICS



For M.P.C.*, M.P.E.* and M.P.Cs.* Students

Semester	Course/ Paper	Code No.	Teaching Hours Per Week	No. of Credits
I	Paper – I (Theory) Mechanics	6118	4 hours	4
	Paper – I (Mechanics Lab)	6118P	2 hours	1
	AECC-I (Environmental science)		2 hours	2
II	Paper – II (Theory) Thermal Physics	6218	4 hours	4
	Paper – II (Thermal Physics Lab)	6218P	2 hours	1
	AECC-II (Basic computer skills)		2 hours	2
III	Paper – III (Theory) Electromagnetic theory	6318	4 hours	4
	Paper – III (Electromagnetic theory Lab)	6318P	2 hours	1
	SECC-I Solar Energy and its Collectors		2 hours	2
IV	Paper – IV (Theory) Waves & Optics	6418	4 hours	4
	Paper – IV (Waves & Optics Lab)	6418P	2 hours	1
	SECC-II Storage and Utilization of Solar Energy		2 hours	2
V	Paper – V(A) (Theory) Electricity and Magnetism	6518A	4 hours	4
	Paper – V(A) (Lab)	6518P	2 hours	1
	Paper – V(B) (Theory) Maxwell's Equations and Electronics	6518B	4 hours	4
	Paper – V(B) (Lab)	6518P	2 hours	1
	GE-I Mechanical Energy SECC-III Solar Energy		2 hours	2
VI	Paper – VI(A) (Theory) Modern Physics	6618A	4 hours	4
	Paper – VI(A) (Lab)	6618P	2 hours	1
	Paper – VI(B) (Theory) Nuclear Physics, Solid State Physics	6618B	4 hours	4
	Paper – VI(B) (Lab)	6618P	2 hours	1
	GE-II Geothermal Energy SECC-IV Chemical energy		2 hours	2

Chairman B.O. Dept. of Physics
ANWAR-UL-ULOOM COLLEGE
Mallepally, Hyderabad-500 001.

Anwarul Uloom College (Autonomous)

New Mallepally, Hyderabad
Affiliated to Osmania University
(Re-Accredited with NACC with A-Grade)

Faculty of Science
Department of Microbiology

B. Sc (B. M. C)

Subject: MICROBIOLOGY (2020 - 2021)

S. No.	Year	Sem	Paper / Title	Teaching Hours /Week	Units	Credits	Marks		
							Internal Assessment	End Semester	Total
1	1 st Year	I	6115 T: General Microbiology -Theory	4	4	4	15	35	50
2			6115 P: General Microbiology -Practical	2	-	1	-	25	25
3			Environmental science (AECC-I)	2	-	2	-	50	50
4	1 st Year	II	6215 T: Microbial Physiology & Biochemistry - Theory	4	4	4	15	35	50
5			6215 P: Microbial Physiology & Biochemistry -Practical	2	-	1	-	25	25
6			Basic Computer Skills (AECC-II)	2	-	2	-	50	50
7	2 nd Year	III	6315 T: Food & Environmental microbiology - Theory	4	4	4	15	35	50
8			6315 P: Food & Environmental microbiology - Practical	2	-	1	-	25	25
9			Pharmaceutical Microbiology-(SECC-I)	2	-	2	-	50	50
10	2 nd Year	IV	6415 T: Medical microbiology & Immunology - Theory	4	4	4	15	35	50
11			6415 P: Medical microbiology & Immunology - Practical	2	-	1	-	25	25
12			Food Adulteration - (SECC- II)	2	-	2	-	50	50
13	3 rd Year	V	6515 TA: Applied Microbiology A - Theory	4	4	4	15	35	50
14			6515 PA: Applied Microbiology A - Practical	2	-	1	-	25	25
15			6507 TB: Applied Microbiology B - Theory	4	4	4	15	35	50
16			6507 PB: Applied Microbiology B - Practical	2	-	1	-	25	25
17			Mushroom Cultivation - (SECC- III)	2	2	2	-	50	50
18	Hematology - (GE- I)	2	2	2	-	50	50		
19	3 rd Year	VI	6607 TA: Medical Microbiology A - Theory <i>Immunology B</i>	4	4	4	15	35	50
20			6607 TA: Medical Microbiology A - Practical <i>Immunology B</i>	2	-	1	-	25	25
21			6607 TB: Immunology B - Theory <i>Immunology B</i>	4	4	4	15	35	50
22			6607 TB: Immunology B - Practical <i>Immunology B</i>	2	-	1	-	25	25
23			Hospital Management - (SECC- IV)	2	2	2	-	50	50
24			Soil Microbiology - (GE- II)	2	2	2	-	50	50

AECC - Ability Enhancement Compulsory Course

SECC - Skill Enhancement Compulsory Course

GE - Generic Electives

Head of the Department

V. Suresh
K. B. to

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Dr. B. Bhims
Chairman, BoS
Dept. of Microbiology
Osmania University, Hyd.

[Signature]
A. MADHURI
Head of the Department
Department of Microbiology
For Women (A)
Begumpet, Hyderabad - 500016

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Anwarul Uloom College (Autonomous)

New Malhepally, Hyderabad

Affiliated to Osmania University

(Re-Accredited with NAAC with A-Grade)

Faculty of Science

Department of Nutrition & Dietetics

(B.Sc. (N.Z.C))

Course Structure (2020-2021)

S/N Sl. No.	YEAR	SEM.	PAPER/TITLE	Teaching Hours/ week	Unit No.	Credit No.	Marks		
							Internal Assessment	End Semester	Total
1	1 st Year	I	Introduction to Foods & Nutrition	4	4	4	15	35	50
2			Introduction to Foods & Nutrition (Practicals) (Environmental and Science (AEC-C-I))	2	-	1	-	25	25
3				2	-	2	-	50	50
4	1 st Year	II	Nutritional Biochemistry and Human Physiology	4	4	4	15	35	50
5			Nutritional Biochemistry and Human Physiology (Practical)	2	-	1	-	25	25
6			Computer Basic Skills (AEC-C-II)	2	-	2	-	50	50
7	2 nd Year	III	Introduction of Food Technology -	4	4	4	15	35	50

8				2	-	1	-	25	25
9				2	-	2	-	50	50
10	2 nd Year	IV	Introduction of Food Technology - Practical Food Preservation (SECC-1)	4	4	4	15	35	50
11			Food Science- Theory Food Science- Practical	2	-	1	-	25	25
12			Food Safety - (SECC-11)	2	-	2	-	50	50
13	3 rd Year	V	Diet Therapy IV - A - Theory IV - A - Practical	4	4	4	15	35	50
14			Diet Therapy IV - A - Practical	2	-	1	-	25	25
15			Community Nutrition B- Theory Community Nutrition B- Practical	4	4	4	15	35	50
16			Community Nutrition B- Practical	2	-	1	-	25	25
17			Patient Counseling Skills (SECC-11)	2	-	2	-	50	50
18			Fundamentals Of Food & Nutrition - (GE-1)	-	-	2	-	50	50
19	3 rd Year	VI	Diet Therapy - II - VI - A - Theory Diet Therapy - II - VI - A - Practical	4	4	4	15	35	50
20			Therapy - II - VI - A - Practical	2	-	1	-	25	25
21			Therapy - II - VI - A - Practical	4	4	4	15	35	50

				Health VI B- Theory									
22				2	-	1	-	25	25				
23				2	-	2	-	50	50				
25				2	-	2	-	50	50				

Maternal and Child Health VI B- Practical Malnutrition & Assessment of Nutritional Status - (SECC-IV) Food Commodities (CEC-II)

M.Sc. (Nutrition and Dietetics)
Choice Based Credit system (CBCS)
Syllabus

COURSE OUTLINE AND SCHEME OF EXAMINATION

FIRST SEMESTER

Paper No.	Title	Instructions Hrs/ Week	Duration of Examination	Credits	Maximum Marks
Theory ND 101 T	Human Nutrition	4	3	4	100 (80+20)
(CORE) ND 102 T	Nutritional Biochemistry-I	4	3	4	100 (80+20)
(CORE) ND 103 T	Human Physiology	4	3	4	100 (80+20)
(CORE) ND 104 T	Principles of Dietetics	4	3	4	100 (80+20)
Practical ND 105 P	Human Nutrition	4	2	2	50
ND 106 P	Nutritional Biochemistry-I	4	2	2	50
ND 107 P	Human Physiology	4	2	2	50
ND 108 P	Principles of Dietetics	4	2	2	50
Total		16 T + 16P		24	600 (T+P)

SECOND SEMESTER

Paper No.	Title	Instructions Hrs/ Week	Duration of Examination	Credits	Maximum Marks
Theory ND 201 T	Principles of Foods	4	3	4	100 (80+20)
(CORE) ND 202 T	Nutritional Biochemistry II	4	3	4	100 (80+20)
(CORE) ND 203 T	Research Methodology	4	3	4	100 (80+20)
(CORE) ND 204 T	Diet in Disease	4	3	4	100 (80+20)
Practical ND 205 P	Principles of Foods	4	2	2	50
ND 206 P	Nutritional Biochemistry II	4	2	2	50
ND 207 P	Research Methodology	4	2	2	50
ND 208 P	Diet in Disease	4	2	2	50
Total		16 T + 16P		24	600 (T+P)

THIRD SEMESTER

Paper No.	Title	Instructors Hrs/Week	Duration of Examination	Credits	Maximum Marks
Theory ND 301 T (CORE)	Community Nutrition	4	3	4	100 (80+20)
ND 302 T (CORE)	Food Microbiology	4	3	4	100 (80+20)
ND 303 T (ELECTIVE POOL)	I) Food Service Management II) Institutional Food Management	4	3	4	100 (80+20)
ND 304 T (Inter-disciplinary ELECTIVE)	Food Hygiene and sanitation	4	3	4	100 (80+20)
Practical ND 305 P	Community Nutrition	4	2	2	50
ND 306 P	Food Microbiology	4	2	2	50
ND 307 P	I) Food Service Management II) Institutional Food Management	4	2	2	50
ND 308 P	Food Hygiene and sanitation	4	2	2	50
	Total	32		24	600(T+P)

FOURTH SEMESTER

Paper No.	Title	Instructors Hrs/Week	Duration of Examination	Credits	Maximum Marks
Theory ND 401 T (CORE)	Advanced Nutrition	4	3	4	100 (80+20)
ND 402 T (CORE)	Pediatric Nutrition	4	3	4	100 (80+20)
ND 403 T (ELECTIVE)	I) Nutraceuticals and Functional Foods	4	3	4	100 (80+20)

POOL)	ii) Geriatric Nutrition					
	iii) Clinical Nutrition and Immunology					
ND 404 T (ELECTIVE POOL)	i) Diet and Psychology Counselling Skills	4	3	4	100 (80+20)	
	ii) Nutrition for Fitness and Sports					
	iii) Maternal and Child Nutrition					
Practical						
ND 405 P	Hospital Internship in Nutrition and Dietetics	4	2	2	50	
ND 406 P	Internship-case studies presentation	4	2	2	50	
ND 407 P	Project Work - Collection of Data	4	2	2	50	
ND 408 P	Project Work- Report Writing and Presentation of Project Seminar	4	2	2	50	
	Total Marks	32		24	600	
					Theory	+
					Practical	

Grand Total Marks of all the Four Semesters = 600+600+600+600=2400

ANWAR UL ULOOM COLLEGE


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New Mallapally, Hyderabad-1

DEPARTMENT OF COMPUTER SCIENCE

STRUCTURE OF MODEL CURRICULUM FOR B.Sc. I, II & III YEAR (CBCS)

Class	Semester	Course/Paper	Code No	Teaching Hours Per week	No of Credits
B.Sc. First Year (Batch- 2020-21)	I	Paper - I (Theory) Programming in C	6110	4 hrs	4
		Paper - I (C-LAB)	6110P	2 hrs	1
		AECC-I Environmental Science	A6110	2 hrs	2
	II	Paper - II (Theory) Programming in C++	6210	4 hrs	4
		Paper -II (C++-LAB)	6210P	2 hrs	1
		AECC-II Basic Computer Skills	A6210	2 hrs	2
B.Sc. Second Year (Batch- 2019 -20)	III	Paper -III (Theory) Data Structures	6310	4 hrs	4
		Paper -III(DS-LAB)	6310P	2 hrs	1
		SEC-I - PYTHON-I	A6310	2hrs	2
		SEC-II- DATA SCIENCE	B6310	2hrs	2
	IV	Paper -IV (Theory) DBMS	6410	4 hrs	4
		Paper -IV(DBMS- LAB)	6410P	2 hrs	1
B.Sc. Third Year (Batch- 2018-19)	V	Paper -V-A (Theory)	6510A	4hrs	4
		Paper -V-A (Theory -LAB)	6510AP	2 hrs	1
		Paper -VB (Theory) Operating System	6510B	4 hrs	4
		Paper -VB(OS-LAB)	6510BP	2 hrs	1
		SEC-III Software Engineering	S6510	2 hrs	2
		GE-I INFORMATION TECHNOLOGY-I	G6510	2 hrs	2
VI	Paper -VI-AWeb Tech.	6610A	4hrs	4	
	Paper -VI-A (Web-LAB)	6610AP	2 hrs	1	
	Paper -VI-BComp Net.	6610B	4 hrs	4	
	Paper -VI B(CN-LAB)	6610BP	2 hrs	1	
	SEC-IV: PYTHON	S6610	2 hrs	2	
	GE-II INFORMATION TECHNOLOGY-II	G6610	2 hrs	2	


CHAIRMAN, BOS
COMPUTER SCIENCE
ANWARUL ULOOM COLLEGE



Anwarul Uloom College (Autonomous)

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Department of Comp. Sci. & Engineering Paper Titles & Marks Details (Course Structure & Scheme of Examinations)

S. No.	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
						Max.	Min.			
B. Sc. (CSE) Ist Year, I – Semester (CBCS)										
Theory										
1	I	0106	English	4 Hrs	15	35	14	50	4	2 Hrs
2	II	7141	Mathematics - I	4 Hrs	15	35	14	50	4	2 Hrs
3	III	7142	Electrical Circuits & Machines	4 Hrs	15	35	14	50	4	2 Hrs
4	IV	7143	Introduction to Information Technology	4 Hrs	15	35	14	50	4	2 Hrs
5	V	7144	Programming in C	4 Hrs	15	35	14	50	4	2 Hrs
6	VI	A7145	AECC-I:Environmental Studies	2 Hrs	—	50	20	50	2	2 Hrs
Practicals										
7	VII	7142P	E C M Lab	2 Hrs	—	25	13	25	1	2 Hrs
8	VIII	7143P	IIT Lab	2 Hrs	—	25	13	25	1	2 Hrs
9	IX	7144P	Programming in C Lab	2 Hrs	—	25	13	25	1	2 Hrs
Total				28 Hrs				375	25	
B. Sc. (CSE) Ist Year, II – Semester (CBCS)										
Theory										
1	I	0206	English	4 Hrs	15	35	14	50	4	2 Hrs
2	II	7246	Mathematics - II	4 Hrs	15	35	14	50	4	2 Hrs
3	III	7247	Physics	4 Hrs	15	35	14	50	4	2 Hrs
4	IV	7248	Electronic Devices & Circuits	4 Hrs	15	35	14	50	4	2 Hrs
5	V	7249	Programming in Unix	4 Hrs	15	35	14	50	4	2 Hrs
6	VI	A7250	AECC-II:Basic Comp Skills	2 Hrs	—	50	20	50	2	2 Hrs
Practicals										
7	VII	7247P	Physics Lab	2 Hrs	—	25	13	25	1	2 Hrs
8	VIII	7248P	ED C Lab	2 Hrs	—	25	13	25	1	2 Hrs
9	IX	7249P	Unix Prog. Lab	2 Hrs	—	25	13	25	1	2 Hrs
Total				28 Hrs				375	25	

AECC – Ability Enhancement Compulsory Course

Head of the Department

HEAD
Dept of Computer Science & Engg
A.U. College Mallepally, Hyd-1. A.P.



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Department of Comp. Sci. & Engineering Paper Titles & Marks Details (Course Structure & Scheme of Examinations)

S. No.	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
						Max.	Min.			
B. Sc. (CSE) 2nd Year, III – Semester (CBCS)										
Theory										
1	I	0306	English	4 Hrs	15	35	14	50	4	2 Hrs
2	II	7351	Mathematics - III	4 Hrs	15	35	14	50	4	2 Hrs
3	III	7352	Digital Logical Design	4 Hrs	15	35	14	50	4	2 Hrs
4	IV	7353	Operating Systems	4 Hrs	15	35	14	50	4	2 Hrs
5	V	7354	OOPS through C++	4 Hrs	15	35	14	50	4	2 Hrs
6	VI	S7355	SECC-I:M-Commerce	2 Hrs	—	50	20	50	2	2 Hrs
Practicals										
7	VII	7352P	D L D Lab	2 Hrs	—	25	13	25	1	2 Hrs
8	VIII	7353P	O S Lab.	2 Hrs	—	25	13	25	1	2 Hrs
9	IX	7354P	OOP through c++ Lab	2 Hrs	—	25	13	25	1	2 Hrs
Total				28 Hrs				375	25	
B. Sc. (CSE) 2nd Year, IV – Semester (CBCS)										
1	I	0406	English	4Hrs	15	35	14	50	4	2 Hrs
2	II	7456	Probability & Statistics	4 Hrs	15	35	14	50	4	2 Hrs
3	III	7457	Microprocessor 8086 & Interfacing	4 Hrs	15	35	14	50	4	2 Hrs
4	IV	7458	Data Structures	4 Hrs	15	35	14	50	4	2 Hrs
5	V	7459	Java Programming	4 Hrs	15	35	14	50	4	2 Hrs
6	VI	S7460	SECC-II:Software Engineering	2 Hrs	—	50	20	50	2	2 Hrs
Practicals										
7	VII	7457P	M P 8086 & Interfacing Lab	2 Hrs	—	25	13	25	1	2 Hrs
8	VIII	7458P	Data Structure Lab.	2 Hrs	—	25	13	25	1	2 Hrs
9	IX	7459P	Java Programming Lab	2 Hrs	—	25	13	25	1	2 Hrs
Total				28 Hrs				375	25	

SECC – Skill Enhancement Compulsory Course

Head of the Department


HEAD

Dept of Computer Science & Engg
in A.U, College Mallepally, Hyd-1. A.P.



Anwarul Uloom College (Autonomous)

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Department of Comp. Sci. & Engineering Paper Titles & Marks Details (Course Structure & Scheme of Examinations)

S. No.	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
						Max.	Min.			
B. Sc. (CSE) 3rd Year, V – Semester (Non CBCS)										
Theory										
1	I	7561	Computer Networks	5Hrs	20	80	32	100	5	3 Hrs
2	II	7562	Compiler Construction	5Hrs	20	80	32	100	5	3 Hrs
3	III	7563	Object oriented analysis and design	5 Hrs	20	80	32	100	5	3 Hrs
4	IV	7564	Modern Data Base Management System	5Hrs	20	80	32	100	5	3 Hrs
Practicals										
5	V	7563P	OOAD-Lab	4 Hrs	—	50	25	50	2	2Hrs
6	VI	7564P	M D B M S Lab	4 Hrs	—	50	25	50	2	2Hrs
7	VII	S7565	SECC-III : PHP AND MYSQL	2Hrs	—	50	20	50	2	2Hrs
8	VIII	G7565	GE-1 : Information Technologies	2Hrs	—	50	20	50	2	2Hrs
Total				32Hrs				600	28	
B. Sc. (CSE) 3rd Year, VI – Semester (Non CBCS)										
1	I	7666	Internet of Things	5Hrs	20	80	32	100	5	3 Hrs
2	II	7667	Web Programming	5Hrs	20	80	32	100	5	3 Hrs
3	III	7668	Introduction to Data science & Python Programming	5Hrs	20	80	32	100	5	3 Hrs
Practicals										
4	IV	7667P	Web Programming Lab	4 Hrs	—	50	25	50	2	2Hrs
5	V	7668P	Python Programming Lab	4Hrs	—	50	25	50	2	2Hrs
6	VI	7670P	Project and Seminar	5Hrs	20	80	32	100	5	3 Hrs
7	VII	S7565	SECC-IV : SCI-LAB	2Hrs	—	50	20	50	2	2Hrs
8	VIII	G 7679	GE-II- Basic Web Designing	2Hrs	—	50	20	50	2	2Hrs
Total				32 Hrs				600	28	

GE-General Elective

Head of the Department

HEAD

Dept. of Computer Science & Engg
A.U. College Mallepally, Hyd-1. A.P.

2020 - 2021

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DEPARTMENT OF ELECTRONICS

STRUCTURE OF MODEL CURRICULUM FOR B.Sc. I, II & III YEAR EFFECTIVE FROM THE ACADEMIC YEAR 2015-16 ON WARDS AS PER THE CHOICE BASED CREDIT SYSTEM (CBCS)

Class	Semester	Course/Paper	Code No	Teaching Hours Per week	No of Credits
1st Year	I	Paper - I (Theory) Circuit Analysis	6112	4 hrs	4
		Paper - I (CA-LAB)	6112P	2 hrs	1
		AECC-I Environmental Studies	A6112	2 hrs	2
	II	Paper - II (Theory) Electronic Devices	6212	4 hrs	4
		Paper - II (ED-LAB)	6212P	2 hrs	1
		AECC-II Basic Computer Skills	A6212	2 hrs	2
2nd Year	III	Paper -III (Theory) Power Supplies & Analog Circuits	6312	4 hrs	4
		Paper -III(PS & AC-LAB)	6312P	2 hrs	1
		Add-on (SEC) Digital Signal Processing	A6312	2hrs	1
	IV	Paper -IV (Theory) Applications of operational Amplifier and Communication	6412	4 hrs	4
		Paper -V(DS- LAB)	6412P	2 hrs	1
		SEC-II Modern Communication system	I6412	2 hrs	2
3rd Year	V	Paper -V A-Digital Electronics	6512	4 hrs	4
		Paper -VA(DE-LAB)	6512P	2 hrs	1
		Paper -VB- Microprocessor 8085	6513	4 hrs	4
		Paper -VB(MP-LAB)	6513P	2 hrs	1
		Add-on (SEC) - II PIC & ATMEL Microcontrollers	A6512	2 hrs	2
					2 hr

GR-I - Information Technology-I

M. Sahameed

Head of the Dept. of Electronics
Anwar Ul Uloom College, Mallepally
Hyderabad.

Manal
CHAIRMAN
Board of Studies, Electronics
Department of Physics
Osmania University
Hyderabad-500 007


2020 - 2021


		Paper -VI-A Fundamental of Embedded Systems	6612	4 hrs	4
		Paper -VI-A (ES-LAB)	6612P	2 hrs	2
		Paper -VI-B Microcontroller-8051	6613	4 hrs	4
		Paper -VI B(MP 8051- LAB)	6613P	2 hrs	2
		DE SRC-V Microprocessor and Microcontroller	66612	2 hrs	2

GR-II - Information Technology - II

2 hrs

2


Head of the Dept. of Electronics,
Anwar-ul-Uloom College, Mallerally
Hyderabad.


CHAIRMAN
Board of Studies, Electronics
Department of Physics
Osmania University
Hyderabad-500 007.



Anwarul Uloom College (Autonomous)

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Faculty of Science
Department of Electronics
B. Sc. (M P E, M E C s)
Course Structure in Part – II (2019 – 20)

S. No.	Year	Sem.	Paper / Title	Teaching Hours / Week	Units	Credits	Marks		
							Internal Assessment	End Semester	Total
1	1st Year	I	6112 T: Circuit Analysis – Theory	4	4	4	15	35	50
2			6112 P: Circuit Analysis – Practicals	2	—	1	—	25	25
3			Environmental Science (AECC-I)	2	—	2	—	50	50
4	1st Year	II	6212 T: Electronic Devices – Theory	4	4	4	15	35	50
5			6212 P: Electronic Devices – Practicals	2	—	1	—	25	25
6			Basic Computer Skills (AECC-II)	2	—	2	—	50	50
7	2nd Year	III	6312 T: Power Supplies & Analog Circuits – Theory	4	4	4	15	35	50
8			6312 P: Power Supplies & Analog Circuits – Practicals	2	—	1	—	25	25
9			Digital Signal Processing – (SECC – I)	2	—	2	—	50	50
10	2nd Year	IV	6412 T: Applications of Operational Amplifier & Communication – Theory	4	4	4	15	35	50
11			6412 P: Applications of Operational Amplifier & Communication – Practicals	2	—	1	—	25	25
12			Modern Communication Systems – (SECC – II)	2	—	2	—	50	50
13	3rd Year	V	6512 T A: Digital Electronics A – Theory	4	4	4	15	35	50
14			6512 T P: Digital Electronics A – Practicals	2	—	1	—	25	25
15			6512 T B: MicroProcessor 8085 B – Theory	4	4	4	15	35	50
16			6512 P B: MicroProcessor 8085 B – Practicals	2	—	1	—	25	25
17			PIC & ATMEL Micro Controllers (Add – on Course)	1	—	2	—	25	25
18	3rd Year	VI	6612 T A: Fundamental of Embedded Systems A – Theory	4	4	4	15	35	50
19			6612 P A: Fundamental of Embedded Systems A – Practicals	2	—	1	—	25	25
20			6612 T B: Micro Controller 8051 B – Theory	4	4	4	15	35	50
21			6612 P B: Micro Controller 8051 B – Practicals	2	—	1	—	25	25
22			Micro Processors and Micro Controllers (I D E Course)	1	—	2	—	25	25

AECC – Ability Enhancement Compulsory Course
SECC – Skill Enhancement Compulsory Course
I D E – Inter Disciplinary Course

M. Mohamed
Head of the Dept. of Electronics
Anwarul-Uloom College, Mallepally
Head of the Department

STRUCTURE OF B.A / B.Com/ B.Sc/B.B.A DEGREE COURSE w.e.f ACADEMIC YEAR 2020 onwards							
Sl. No	Code	Course Title	Sem Exam	IA	Total	THPW	Credit
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
FIRST YEAR SEMESTER – I:							
1.	ELS1	Paper I: Poetry, Prose, Grammar, Language Work	35	15	50	4 hrs	4
2.	AECC1	Environmental Studies	50	--	50	2 hrs	2
FIRST YEAR SEMESTER – II:							
1.	ELS2	Paper II: Poetry, Prose, Grammar, Language Work	35	15	50	4 hrs	4 ³
2.	AECC2	Gender Sensitization	50	--	50	2 hrs	2
SECOND YEAR SEMESTER – III:							
1.	ELS2	Paper II: Poetry, Prose, Grammar, Language Work	35	15	50	4 hrs	(3) ⁴
2.	AECC2	Gender Sensitization	50	--	50	2 hrs	2
SECOND YEAR SEMESTER – IV:							
1.	ELS2	Paper II: Poetry, Prose, Grammar, Language Work	35	15	50	4 hrs	(3) ⁵
2.	AECC2	Gender Sensitization	50	--	50	2 hrs	2

ELS: English Language Skills

AECC: Ability Enhancement Compulsory Course

SEC: Skill Enhancement Course

THPW: Teaching hours per Week; T: Theory, P: Practical [Two practical classes are considered as One hour of classroom teaching, IA: Internal Assessment, PR: Project Report, VV: Viva-Voce Examination.

Note: If a student should opt for "a" in SEC in III, the student has to opt for "a" only in IV Semester and so is the case with "b" and "c". In the case of DSE also the rule applies

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M.A. Previous (CBCS) Semester I & II (Course Structure & Scheme of Examinations)

2020-21

S. No.	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
						Max	Min			
M. A. English 1st Year, I – Semester (C B C S)										
1	I	101	The English Language: History, Description and Practice	5 Hrs	20	80	32	100	5	3 Hrs
2	II	102	English Poetry	5 Hrs	20	80	32	100	5	3 Hrs
3	III	103	English Drama	5 Hrs	20	80	32	100	5	3 Hrs
4	IV	104	The English Language and Phonetics	4 Hrs	20	80	32	100	4	3 Hrs
5	V	105	Modern Indian Literatures in Translation	4 Hrs	20	80	32	100	4	3 Hrs
6	VI	116	Add On: Computer Basic and Applications	2Hrs	---	50	20	50	2	2 Hrs
			Total	25Hrs				550	25	
M. A. English 1st Year, II – Semester (C B C S)										
1	I	201	English Language Teaching: History, Approaches and Methods	5 Hrs	20	80	32	100	5	3 Hrs
2	II	202	English Prose	5 Hrs	20	80	32	100	5	3 Hrs
3	III	203	English Fiction	5 Hrs	20	80	32	100	5	3 Hrs
4	IV	204	Women's writing	4 Hrs	20	80	32	100	4	3 Hrs
5	V	205	Twentieth Century Literary Criticism and Theory	4 Hrs	20	80	32	100	4	3 Hrs
6	VI	216	Add On: Human Values and Professional Ethics	2 Hrs	---	50	20	50	2	2 Hrs
			Total	25Hrs				550	25	

Tutorials: 2hours per week- No Credits

Notes:

For each paper there will be semester examination for 80 marks and 20 marks for internal assessment [15 marks for tests (average of the two tests) and 5 marks for assignment in the subject].

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M.A. Previous (CBCS) Semester - I (Course Structure & Scheme of Examinations)

S. No.	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
						Max	Min			
M. A. English 1st Year, I – Semester (C B C S)										
1	I	101	The English Language: History, Description and Practice	5 Hrs	20	80	32	100	5	3 Hrs
2	II	102	English Poetry	5 Hrs	20	80	32	100	5	3 Hrs
3	III	103	English Drama	5 Hrs	20	80	32	100	5	3 Hrs
4	IV	104	The English Language and Phonetics	4 Hrs	20	80	32	100	4	3 Hrs
5	V	105	Modern Indian Literatures in Translation	4 Hrs	20	80	32	100	4	3 Hrs
6	VI	116	Add On: Computer Basics and Applications	2Hrs	---	50	20	50	2	2 Hrs
			Total	25Hrs				550	25	

Tutorials: 2hours per week- No Credits

Notes: For each paper there will be semester examination for 80 marks and 20 marks for internal assessment [15 marks for tests (average of the two tests) and 5 marks for assignment in the subject].

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M.A. Previous (CBCS) Semester - II 2020-21 ✓ (2019-20)
(Course Structure & Scheme of Examinations)

S. No.	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
						Max	Min			
M. A. English 1st Year, II – Semester (C B C S)										
1	I	201	English Language Teaching: History, Approaches and Methods	5 Hrs	20	80	32	100	5	3 Hrs
2	II	202	English Prose	5 Hrs	20	80	32	100	5	3 Hrs
3	III	203	English Fiction	5 Hrs	20	80	32	100	5	3 Hrs
4	IV	204	Women's writing	4 Hrs	20	80	32	100	4	3 Hrs
5	V	205	Twentieth Century Literary Criticism and Theory	4 Hrs	20	80	32	100	4	3 Hrs
6	VI	216	Add On: Human Values and Professional Ethics	2 Hrs	---	50	20	50	2	2 Hrs
			Total	25Hrs				550	25	

Tutorials: 2hours per week- No Credits

Notes: For each paper there will be semester examination for 80 marks and 20 marks for internal assessment [15 marks for tests (average of the two tests) and 5 marks for assignment in the subject].

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M.A. Final (CBCS) Semester III & IV (Course Structure & Scheme of Examinations)

S.No	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
						Max	Min			
M. A. English 2nd Year, III – Semester (C B C S)										
1	I	301	English Language Teaching: Classroom Techniques and Practical English	5 Hrs	20	80	32	100	5	3 Hrs
2	II	302	American Literature—I	5 Hrs	20	80	32	100	5	3 Hrs
3	III	303	Indian Writing in English—I	5 Hrs	20	80	32	100	5	3 Hrs
4	IV	304	Postcolonial Literatures	4 Hrs	20	80	32	100	4	3 Hrs
5	V	305	Literature and Film	4 Hrs	20	80	32	100	4	3 Hrs
6	VI	136	IDE: Employability Skills	2 Hrs		50	20	50	2	2 Hrs
			Total	25 Hrs				550	25	
M. A. English 2nd Year, IV – Semester (C B C S)										
1	I	401	English Language Teaching: Major Developments in L1 & L2	5 Hrs	20	80	32	100	5	3 Hrs
2	II	402	American Literature – II	5 Hrs	20	80	32	100	5	3 Hrs
3	III	403	English Writing in English – II	5 Hrs	20	80	32	100	5	3 Hrs
4	IV	404	*(a) Academic Writing & Research Methodology (b)Fourth World Literatures	4 Hrs	20	80	32	100	4	3 Hrs
5	V	405	*(a) Project Work (4 credits) (b) South Asian Literature	4 Hrs	20 viva	80	32	100	4	3 Hrs
6	VI	146	IDE: Report Writing Reporting Events	2 Hrs		50	20	50	2	2 Hrs
			Total	25Hrs				550	25	

Tutorials: 2hours per week- No Credits

Notes:For each paper there will be semester examination for 80 marks and 20 marks for internal assessment.[15 marks for tests (average of the two tests) and 5 marks for assignment in the subject]

ANWARUL ULOOM COLLEGE, MALLEPALLY, HYDERABAD.

M.Sc., Physics I YEAR

(for the batch admitted in I year from the academic year 2020-2021)

Scheme of Instruction and Examination

Semester – I



Sl. No.	Sub. Code	Subject	Instructions Hrs/Week	No. of Credits	Max. Marks
Theory :					
01	P 101	Mathematical Physics	4	4	20+80=100
02	P 102	Classical Mechanics	4	4	20+80=100
03	P 103	Quantum Mechanics – I	4	4	20+80=100
04	P 104	Solid State Physics	4	4	20+80=100
Practical's :					
05	P 105	Heat & Acoustics	6	4	100
06	P 106	Optics	6	4	100
		Total	28	24	600
Add – On Course :					
07	P 107	Communicative English & Soft Skills	3	2	10+40=50

Note : - Out of 100 Marks for each theory paper 20 Marks are allotted for internals and 80 marks for Theory exams. There shall be no internal assessment examinations for Practical's. Practical Examinations will be conducted at the end of each Semester. For Add – On course out of 50 marks paper 10 marks are allotted for internals and 40 marks for the semester theory examination.

Pattern of Question Paper : - The Question paper consists of two parts, each covering all the four units.

Part - A : consists of EIGHT (8) short note questions, (two from each Unit), carrying 4 marks each.

The student has to answer all the questions.

Part – B : consists of FOUR(4) essay type questions with an internal choice. Each question carries 12 marks.

Chairperson, Dept. of Physics

ANWARUL ULOOM COLLEGE

DEPARTMENT OF PHYSICS, ANWARUL ULOOM COLLEGE

ANWARUL ULOOM COLLEGE, MALLEPALLY, HYDERABAD.

M.Sc., Physics I YEAR

(for the batch admitted in I year from the academic year 2020-2021)

Scheme of Instruction and Examination

Semester – II



Sl. No.	Sub. Code	Subject	Instructions Hrs/Week	No. of Credits	Max. Marks
Theory :					
01	P 201	Electromagnetic Theory	4	4	20+80=100
02	P 202	Statistical Mechanics	4	4	20+80=100
03	P 203	Quantum Mechanics – II	4	4	20+80=100
04	P 204	Electronics	4	4	20+80=100
Practical's :					
05	P 205	Electronics	6	4	100
06	P 206	Computer Programming	6	4	100
		Total	28	24	600
IDE-Course :					
07	P 207	Basics of Computer Science	3	2	10+40=50

Note : - Out of 100 Marks for each theory paper 20 Marks are allotted for internals and 80 marks for Theory exams. There shall be no internal assessment examinations for Practical's. Practical Examinations will be conducted at the end of each Semester. For Add – On course out of 50 marks paper 10 marks are allotted for internals and 40 marks for the semester theory examination.

Pattern of Question Paper : - The Question paper consists of two parts, each covering all the four units.

Part - A : consists of EIGHT (8) short note questions, (two from each Unit), carrying 4 marks each.

The student has to answer all the questions.

Part – B : consists of FOUR(4) essay type questions with an internal choice. Each question carries 12 marks.

Chairman BOS, Dept. of Physics

ANWAR-UL-ULOOM COLLEGE

DEPARTMENT OF PHYSICS, ANWARUL ULOOM COLLEGE

ANWARUL ULOOM COLLEGE , MALLEPALLY , HYDERABAD.

M.Sc., Physics II YEAR

(for the batch admitted in I year from the academic year 2020-2021)

Scheme of Instruction and Examination



Semester – IV

Sl. No.	Sub. Code	Subject	Instructions Hrs/Week	No. of Credits	Max. Marks
Theory :					
01	P 401	NUCLEAR PHYSICS	4	4	20+80=100
02	P 402	SPECTROSCOPY	4	4	20+80=100
03	PEI 403	EMBEDDED SYSTEMS AND ITS APPLICATIONS	4	4	20+80=100
04	PEI 404	PC ARCHITECTURE	4	4	20+80=100
05	PEI 405	INSTRUMENTATION FOR MEASUREMENT, CONTROL, DATA ACQUISITION AND DATA TRANSMISSION	4	4	20+80=100
Practical's :					
06	P 406	NUCLEAR PHYSICS	6	4	100
07	P 407	MICROPROCESSORS(8086) & MICROCONTROLLERS(8051)	6	4	100
Total			32	28	700
IDE- Course :					
08	P 408	SOLAR ENERGY UTILIZATION	3	2	40+10=50

Note : - Out of 100 Marks for each theory paper 20 Marks are allotted for internals and 80 for Theory exam. There shall be no internal assessment examinations for Practical's. Practical Examinations will be conducted at the end of each Semester.

Pattern of Question Paper : - The Question paper consists of two parts, each covering all the four units.

Part - A : consists of EIGHT (8) short note questions, (two from each Unit), carrying 4 marks each.

The student has to answer all the questions.

Part – B : consists of FOUR(4) essay type questions with an internal choice. Each question carries 12 marks.

DEPARTMENT OF PHYSICS, ANWARUL ULOOM COLLEGE

Chairman BOC, Dept. of Physics
ANWAR-UL-ULOOM COLLEGE
Mallepally, Hyderabad-500 001.

ANWARUL ULOOM COLLEGE, MALLEPALLY, HYDERABAD.

M.Sc., Physics II YEAR

(for the batch admitted in I year from the academic year 2020-2021)

Scheme of Instruction and Examination

Semester – III



Sl. No.	Sub. Code	Subject	Instructions Hrs/Week	No. of Credits	Max. Marks
Theory :					
01	P 301	MODERN OPTICS	4	4	20+80=100
02	P 302	ADVANCED SOLID STATE PHYSICS	4	4	20+80=100
03	PEI 303	DIGITAL LOGIC CIRCUITS	4	4	20+80=100
04	PEI 304	MICROPROCESSORS, DSPs & INTERFACING	4	4	20+80=100
05	PEI 305	ELECTRONIC INSTRUMENTATION	4	4	20+80=100
Practical's :					
06	P 306	SPECTROSCOPY	6	4	100
07	P 307	ANALOG AND DIGITAL SIMULATION	6	4	100
		Total	32	28	700
Add – On Course :					
08	P 308	Principles of Electrical Appliances	3	2	40+10=50

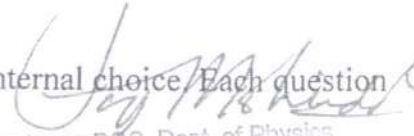
Note :- Out of 100 Marks for each theory paper 20 Marks are allotted for internals and 80 for Theory exam. There shall be no internal assessment examinations for Practical's. Practical Examinations will be conducted at the end of each Semester.

Pattern of Question Paper :- The Question paper consists of two parts, each covering all the four units.

Part - A : consists of EIGHT (8) short note questions, (two from each Unit), carrying 4 marks each.

The student has to answer all the questions.

Part – B : consists of FOUR(4) essay type questions with an internal choice. Each question carries 12 marks.


Chairman BOS, Dept. of Physics
ANWARUL ULOOM COLLEGE
Mallepally, Hyderabad-500001

DEPARTMENT OF PHYSICS, ANWARUL ULOOM COLLEGE

ANWARUL ULOOM COLLEGE (Autonomous)


(An Autonomous Muslim Minority Institution)
New Mallepally, Hyderabad – 500 001, A.P., India.
(Affiliated to Osmania University)



Faculty of Arts Department of Urdu (2020 – 21)

Subjects: Second Language Urdu and Modern Language Urdu ,
Degree First Year, I & II - Semester

S. No.	Semester	Course Paper	Code No.	Teaching hours per week	Credits	
1	I	Second Language Urdu	0102	4	3	
2	II	Second Language Urdu	0202	4	3	
3	III	Modern Language Urdu	1116	5	4	
4	IV	Modern Language Urdu	1216	5	4	


Chairman & Head
Dept. of Urdu

Anwarul-Uloom College (Autonomous)
New Mallepally, Hyderabad-500001

ANWARUL ULOOM COLLEGE (Autonomous)

(An Autonomous Muslim Minority Institution)
New Mallepally, Hyderabad – 500 001, A.P., India.
(Affiliated to Osmania University)



Faculty of Arts

Department of Urdu

(Pattern based on Choice Based Credit System)

Second Language Urdu (2020 – 21)

Code	Name of the Paper	Scheme of Instruction / Hours per week	Credit	Internal Assessment Marks	Semester (End) Examination Marks
I – Semester					
	Mutalaya Adab (Part – I) (Ghazals: I – IV) (Poems: I – IV) (Prose: I – IV)	4	3	15	35
	A E C C – I: Urdu Computers	2	1	15	35
II – Semester					
	Mutalaya Adab (Part – I) (Ghazals: I – IV) (Poems: I – III) (Prose: I – III)	4	3	15	35
	A E C C – II: Urdu Calligraphy	2	1	15	35


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Dept. of Urdu
Anwarul-Uloom College (Autonomous)
New Mallepally, Hyderabad-500001

ANWARUL ULOOM COLLEGE (Autonomous)


(An Autonomous Muslim Minority Institution)
New Mallepally, Hyderabad – 500 001, A.P., India.
(Affiliated to Osmania University)



Faculty of Arts Department of Urdu (2020 – 21)

Subjects: Second Language Urdu and Modern Language Urdu ,
Degree Second Year, III & IV - Semesters

S. No.	Semester	Course Paper	Code No.	Teaching hours per week	Credits	
1	III	Second Language Urdu	0302	4	3	
2	IV	Second Language Urdu	0402	4	3	
3	III	Modern Language Urdu	1316	5	4	
4	IV	Modern Language Urdu	1416	5	4	


Chairman & Head
Dept. of Urdu

Anwarul-Uloom College (Autonomous)
New Mallepally, Hyderabad-500001, T.S.

ANWARUL ULOOM COLLEGE (Autonomous)

(An Autonomous Muslim Minority Institution)
New Mallepally, Hyderabad – 500 001, A.P., India.
(Affiliated to Osmania University)




Faculty of Arts

Department of Urdu

(Pattern based on Choice Based Credit System)

Second Language Urdu (2020 – 21)

Code	Name of the Paper	Scheme of Instruction / Hours per week	Credit	Internal Assessment Marks	Semester (End) Examination Marks
III – Semester					
	Mutalaya Adab (Part – II) (Poetry: I – IV) (Poems: I – IV) (Prose: I – IV)	4	3	15	35
	A E C C – II: Urdu Sahafat	2	1	15	35
IV – Semester					
	Mutalaya Adab (Part – II) (Poetry: I – IV) (Poems: I – III) (Prose: I – III)	4	3	15	35
	A E C C – II: Tahseen – e – Shair	2	1	15	35


Chairman & Head
Dept. of Urdu

Anwarul Uloom College (Autonomous)
New Mallepally, Hyderabad-500001, T. N.



Anwarul Uloom College (Autonomous)

New Mallepally, Hyderabad
Affiliated to Osmania University
(Re-Accredited with NAAC with A – Grade)



Faculty of Social Sciences

Department of Urdu (Modern Language)

B. A. (H P M L) (C B C S)

(Approved Syllabus for the Academic year 2020 – 21)

Course Structure (2020 – 21)

S. No.	Year	Sem.	Paper / Title	Teaching Hours / Week	Units	Credits	Marks		
							Internal Assessment	End Semester	Total
1	1 st Year	I	Zauq - e - Adab Part - I (A)	5	5	5	15	35	50
2			Environmental Studies (AECC - I)	2	2	2	—	50	50
3	1 st Year	II	Zauq - e - Adab Part - I (B)	5	5	5	15	35	50
4			Basic Computer Skills (AECC - II)	2	2	2	—	50	50
5	2 nd Year	III	Zauq - e - Adab Part - II (A)	5	5	5	15	35	50
6			Urdu Sahafat - I (SECC - I)	2	2	2	—	50	50
7	2 nd Year	IV	Zauq - e - Adab Part - II (B)	5	5	5	15	35	50
8			Urdu Sahafat - II (SECC - II)	2	2	2	—	50	50
9	3 rd Year	V	Adab - Ka - Mutala - (A)	5	5	5	15	35	50
10			Tareeq - e - Adabe Urdu - (B)	5	5	5	15	35	50
11			Introduction to Poet (SECC - III Course)	2	2	1	15	35	25
12	3 rd Year	VI	Ghalib - o - Iqbal (Ghazlen / Nazmen) - (A)	5	5	5	15	35	50
13			Ghalib - o - Iqbal (Ghazlen / Nazmen) - (B)	5	5	5	15	35	50
14			Qirat Course (SECC - IV Course)	2	2	1	15	35	25
15			Tehsin - I Sher (G E - II Course)						

AECC – Ability Enhancement Compulsory Course

SECC – Skill Enhancement Compulsory Course

I D E – Inter Disciplinary Course

Head of the Department

Chairman & Head
Dept. of Urdu

Anwarul-Uloom College (Autonomous)
New Mallepally, Hyderabad-500001, T.S.



Anwarul Uloom College (Autonomous)

New Mallepally, Hyderabad
 Affiliated to Osmania University
 (Re-Accredited with NAAC with A – Grade)



Faculty of Science
Department of Zoology
 B. Sc. (B.Z.C., N. Z. C.)
 Course Structure in Part – II (2020 – 21)

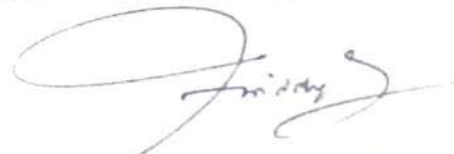
S. No.	Year	Sem.	Paper / Title	Teaching Hours / Week	Units	Credits	Marks		
							Internal Assessment	End Semester	Total
1	1 st Year	I	Animal Diversity (Invertebrates) – Theory	4	4	4	15	35	50
2			Animal Diversity (Invertebrates) – Practicals	2	—	1	—	25	25
3			Environmental Science (AECC-I)	2	2	2	—	50	50
4	1 st Year	II	Animal Diversity – Vertebrates – Theory	4	4	4	15	35	50
5			Animal Diversity – Vertebrates – Practicals	2	—	1	—	25	25
6			Gender Sensitization (AECC-II)	2	2	2	—	50	50
7	2 nd Year	III	Biology of Chordates – Theory	4	4	4	15	35	50
8			Biology of Chordates – Practical	2	—	1	—	25	25
9			Vectors – (SECC – I)	2	2	2	—	50	50
10	2 nd Year	IV	Cell Biology, Genetics & Evolution – Theory	4	4	4	15	35	50
11			Cell Biology, Genetics & Evolution – Practical	2	—	1	—	25	25
12			Pet Care – (SECC – II)	2	—	2	—	50	50

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HEAD
 Department of Zoology
 Anwar-ul-Uloom College (Autonomous)
 Mallepally, Hyderabad-T.S.

13	3 rd Year	V	Zoology V A (Animal Physiology) – Theory	4	4	4	15	35	50
14			Zoology V A (Animal Physiology) – Practical	2	—	1	—	25	25
15			Zoology V B Genetics – Theory	4	4	4	15	35	50
16			Zoology V B Genetics – Practical	2	—	1	—	25	25
17			Poultry Farming – (SECC – III)	2	2	2	—	50	50
18			Apicultures – (G E – I)	2	2	2	—	50	50
19	3 rd Year	VI	Zoology VI A (Fisheries & Haematology) – Theory	4	4	4	15	35	50
20			Zoology VI A (Animal Physiology) – Practical	2	—	1	—	25	25
21			Zoology VI B (Immunology & Biotechnology) – Theory	4	4	4	15	35	50
22			Zoology VI B (Immunology & Biotechnology) – Practical	2	—	1	—	25	25
23			Biodiversity Conservation & Eco - Tourism – (SECC – IV)	2	2	2	—	50	50
24			G E – II Skill Enhancement	2	2	2	—	50	50

AECC – Ability Enhancement Compulsory Course
SECC – Skill Enhancement Compulsory Course
G E – Generic Elective



Head of the Department

HEAD
Department of Zoology
Anwar-ul-Uloom Centre for Higher Education
Municipality, Hyderabad-500135



Anwarul Uloom College (Autonomous)

New Mallepally, Hyderabad
Affiliated to Osmania University
(Re-Accredited with NAAC with A – Grade)



Faculty of Arts / Science / Social Science / Commerce / Business Admn.

Department of Arabic (Second Language)

Under Graduate 1st & 2nd Year (C B C S)

(Approved Syllabus for the Academic year 2019 – 20)

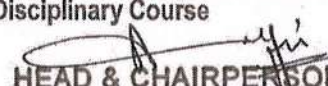
Course Structure (2019 – 20)

S. No.	Year	Sem.	Paper / Title	Teaching Hours / Week	Units	Credits	Marks		
							Internal Assessment	End Semester	Total
1	1 st Year	I	Arabic – I (Arabic Second Language)	4	4	4	15	35	50
2			Environmental Studies (AECC – I)	2	2	2	—	50	50
3	1 st Year	II	Arabic – II (Arabic Second Language)	4	4	4	15	35	50
4			Basic Computer Skills (AECC – II)	2	2	2	—	50	50
5	2 nd Year	III	Arabic – III (Arabic Second Language)	5	5	5	15	35	50
7			Advance Grammar, Information Technology & Functional Arabic (SECC – I)						
7	2 nd Year	IV	Arabic – IIV (Arabic Second Language)	5	5	5	15	35	50
8			Advance Grammar, Information Technology.& Functional Arabic (SECC – II)	2	2	2	—	50	50

AECC – Ability Enhancement Compulsory Course

SECC – Skill Enhancement Compulsory Course

I D E – Inter Disciplinary Course


HEAD & CHAIRPERSON
BOARD OF STUDIES
DEPT. OF ARABIC
Anwarul Uloom College (Autonomous)
New Mallepally, Hyderabad.


Head of the Department

B.Com. (CBCS)
(w.e.f. 2019-20)

Faculty of Commerce, AUC

STRUCTURE OF B.COM.(General) DEGREE COURSE w.e.f. ACADEMIC YEAR 2019 onwards

FIRST YEAR:

SEMESTER-I:								
Sl.No	Code	Course Title	Course Type	Sem Exam	IA	Total	THPW	Credits
1	BC101	Environmental Studies	AECC-1	35	15	50	2Hrs	2
2	BC102	English	CC-1A	35	15	50	5Hrs	5
3	BC103	Second Language(H/U/T/A)	CC-2A	35	15	50	5Hrs	5
4	BC104	Financial Accounting- I	DSC-1A	35	15	50	5Hrs	5
5	BC105	Business Economics	DSC-2A	35	15	50	5Hrs	5
6	BC106	Business Organization	DSC-3A	35	15	50	4Hrs	4
7	BC107	Information Technology	DSC-4A	35	15P*	50	3T+2P*	4
Total							30	30

SEMESTER-II:								
8	BC201	Gender Sensitization	AECC-2	35	15	50	2Hrs	2
9	BC202	English	CC-1B	35	15	50	5Hrs	5
10	BC203	Second Language(H/U/T/A)	CC-2B	35	15	50	5Hrs	5
11	BC204	Financial Accounting- II	DSC-1B	35	15	50	5Hrs	5
12	BC205	Managerial Economics	DSC-2B	35	15	50	5Hrs	5
13	BC206	Principles of Management	DSC-3B	35	15	50	4Hrs	4
14	BC207	Foreign Trade	DSC-4B	35	15	50	4Hrs	4
Total							30	30

SECOND YEAR:								
SEMESTER-III								
15	BC301	Principles of Insurance	SEC-1	35	15	50	2Hrs	2
16	BC302	English	CC-1C	35	15	50	5Hrs	5
17	BC303	Second Language	CC-2C	35	15	50	5Hrs	5
18	BC304	Advanced Accounting	DSC-1C	35	15	50	5Hrs	5
19	BC305	Income Tax-I	DSC-2C	35	15	50	5Hrs	5
20	BC306	Business Statistics-I	DSC-3C	35	15	50	4Hrs	4
21	BC307	Entrepreneurial Development & Business Ethics	DSC-4C	35	15	50	4Hrs	4
Total							30	30

SEMESTER-IV:								
22	BC401	Practice of Life Insurance	SEC-2	35	15	50	2Hrs	2
23	BC402	English	CC-1D	35	15	50	5Hrs	5
24	BC403	Second Language	CC-2D	35	15	50	5Hrs	5
25	BC404	Corporate Accounting	DSC-1D	35	15	50	5Hrs	5
26	BC405	Income Tax-II	DSC-2D	35	15	50	5Hrs	5
27	BC406	Business Statistics-II	DSC-3D	35	15	50	4Hrs	4
28	BC407	Financial Statement Analysis	DSC-4D	35	15	50	4Hrs	4
Total							30	30

Vijay Kumar
CHAIRPERSON
10
BOARD OF STUDIES IN COMMERCE
HYDERABAD-50001., T.S.

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CHAIRMAN
Board of Studies in Commerce
Osmania University,
Hyderabad-500 007., T.S.

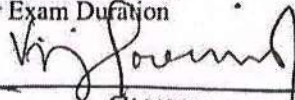
THIRD YEAR: SEMESTER-V:								
29	BC501	Practice of General Insurance	SEC-3	35	15	50	2Hrs	2
30	BC502	Introduction to Indian Economy	GE-1	35	15	50	2Hrs	2
31	BC503	Cost Accounting	DSC-1E	35	15	50	5Hrs	5
32	BC504	Business Law	DSC-2E	35	15	50	4Hrs	4
33	BC505	Banking Theory & Practice	DSC-3E	35	15	50	4Hrs	4
34	BC506	Auditing	DSC-4E	35	15	50	4Hrs	4
35	BC507	Computerized Accounting	DSE-1A	35	15 P*	50	3T+2P*	4
36	BC508	Accounting Standards	DSE-2A	35	15	50	5Hrs	5
		Total					30	30
SEMESTER-VI:								
37	BC601	Regulation of Insurance Business	SEC-4	35	15	50	2Hrs	2
38	BC602	Sectors of Indian Economy	GE-2	35	15	50	2Hrs	2
39	BC603	Theory and Practice of GST	DSC-1F	35	15	50	4Hrs	4
40	BC604	Company Law	DSC-2F	35	15	50	4Hrs	4
41	BC605	Managerial Accounting	DSC-3F	35	15	50	4Hrs	4
42	BC606	Commerce Lab	DSC-4F	35Record	15Viva	50	2T+4P*	4
43	BC607	Financial Institutions & Markets	DSE-1B	35	15	50	5Hrs	5
44	BC608	Advanced Corporate Accounting	DSE-2B	35	15	50	5Hrs	5
		Total					30	30
		Grand Total					180	180

SUMMARY OF CREDITS

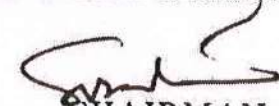
Sl. No	Course Category	No. of Courses	Credits Per Course	Credits
1	AECC	2	2	4
2	SEC	4	2	8
3	CC Languages	8	5	40
	DSC	8	5	40
		16	4	64
4	DSE	4	5	20
5	GE	2	2	4
	TOTAL	44		180
	Commerce Total	28		124

AECC: Ability Enhancement Compulsory Course; SEC: Skill Enhancement Course; DSC: Discipline Specific Course; DSE: Discipline Specific Elective; GE: Generic Elective; THPW: Teaching Hours per week, T=Theory; P=Practical; (*Two Practical classes are considered as One Hour of classroom teaching and One credit is awarded)

ESED: End Semester Exam Duration


CHAIRPERSON
BOARD OF STUDIES IN COMMERCE
ANWAR UL-ULOOM COLLEGE
HYDERABAD-50001., T.S.




CHAIRMAN
Board of Studies in Commerce
Osmania University,
Hyderabad-500 007., T.S.

STRUCTURE OF B.COM.(Comp Appl) DEGREE COURSE w.e.f. ACADEMIC YEAR 2019 onwards

FIRST YEAR:

SEMESTER-I:

Sl.No	Code	Course Title	Course Type	Sem Exam	IA	Total	THPW	Credits
1	BC101	Environmental Studies	AECC-1	35	15	50	2Hrs	2
2	BC102	English	CC-1A	35	15	50	5 Hrs	5
3	BC103	Second Language	CC-2A	35	15	50	5 Hrs	5
4	BC104	Financial Accounting- I	DSC-1A	35	15	50	5 Hrs	5
5	BC105	Business Economics	DSC-2A	35	15	50	4 Hrs	4
6	BC106	Business Organization	DSC-3A	35	15	50	3T+2P*	4
7	BC107	Information Technology	DSC-4A	35	15P*	50	30	30
Total								

SEMESTER-II:

8	BC201	Gender Sensitisation	AECC-2	35	15	50	2Hrs	2
9	BC202	English	CC-1B	35	15	50	5 Hrs	5
10	BC203	Second Language	CC-2B	35	15	50	5 Hrs	5
11	BC204	Financial Accounting- II	DSC-1B	35	15	50	5 Hrs	5
12	BC205	Managerial Economics	DSC-2B	35	15	50	5 Hrs	5
13	BC206	Principles of Management	DSC-3B	35	15	50	4 Hrs	4
14	BC207	Relational Database Management System	DSC-4B	35	15P*	50	3T+2P*	4
Total							30	30

SECOND YEAR:

SEMESTER-III

15	BC301	Principles of Insurance	SEC-1	35	15	50	2Hrs	2
16	BC302	English	CC-1C	35	15	50	5 Hrs	5
17	BC303	Second Language	CC-2C	35	15	50	5 Hrs	5
18	BC304	Advanced Accounting	DSC-1C	35	15	50	5 Hrs	5
19	BC305	Income Tax-I	DSC-2C	35	15	50	5 Hrs	5
20	BC306	Business Statistics-I	DSC-3C	35	15	50	4 Hrs	4
21	BC307	Programming with C	DSC-4C	35	15P*	50	3T+2P*	4
Total							30	30

SEMESTER-IV:

22	BC401	Practice of Life Insurance	SEC-2	35	15	50	2Hrs	2
23	BC402	English	CC-1D	35	15	50	5 Hrs	5
24	BC403	Second Language	CC-2D	35	15	50	5 Hrs	5
25	BC404	Corporate Accounting	DSC-1D	35	15	50	5 Hrs	5
26	BC405	Income Tax-II	DSC-2D	35	15	50	5 Hrs	5
27	BC406	Business Statistics-II	DSC-3D	35	15	50	4 Hrs	4
28	BC407	Objective Oriented Programming with C++	DSC-4D	35	15P*	50	3T+2P*	4
Total							30	30

Vijay Kumar

CHAIRMAN

BOARD OF STUDIES IN COMMERCE
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Osmania University,
Hyderabad-500 007., T.S.

B.Com. (CBCS)
(w.e.f. 2019-20)

Faculty of Commerce, AUC

THIRD YEAR: SEMESTER-V:								
29	BC501	Practice of General Insurance	SEC-3	35	15	50	2Hrs	2
30	BC502	Introduction to Indian Economy	GE-1	35	15	50	2 Hrs	2
31	BC503	Cost Accounting	DSC-1E	35	15	50	4 Hrs	4
32	BC504	Business Law	DSC-2E	35	15	50	4 Hrs	4
33	BC505	Banking Theory & Practice	DSC-3E	35	15	50	4 Hrs	4
34	BC506	Computerised Accounting	DSC-4E	35	15P*	50	3T+2P*	4
35	BC507	E-Commerce-I	DSE-1A	35	15	50	4T+2P*	5
36	BC508	Management Informatics System-I	DSE-2A	35	15	50	4T+2P*	5
Total							30	30
SEMESTER-VI:								
37	BC601	Regulation of Insurance Business	SEC-4	35	15	50	2 Hrs	2
38	BC602	Sectors of Indian Economy	GE-2	35	15	50	2 Hrs	2
39	BC603	Theory and Practice off GST	DSC-1F	35	15	50	4 Hrs	4
40	BC604	Company Law	DSC-2F	35	15	50	4 Hrs	4
41	BC605	Managerial Accounting	DSC-3F	35	15	50	4 Hrs	4
42	BC606	Commerce Lab	DSC-4F	35Record	15V	50	2T+4P*	4
43	BC607	E-Commerce-II	DSE-1B	35	15	50	4T+2P*	5
44	BC608	Management Informatics System-II	DSE-2B	35	15	50	4T+2P*	5
Total							30	30
Grand Total							180	180

SUMMARY OF CREDITS

Sl.No	Course Category	No.of Courses	Credits Per Course	Credits
1	AECC	2	2	4
2	SEC	4	2	8
3	CC Languages DSC	8	5	40
		8	5	40
		16	4	64
4	DSE	4	5	20
5	GE	2	2	4
TOTAL		44		180
Commerce Total		28		124

AECC: Ability Enhancement Compulsory Course; SEC: Skill Enhancement Course; DSC: Discipline Specific Course; DSE: Discipline Specific Elective; GE: Generic Elective; THPW: Teaching Hours per week, T=Theory; P=Practical; (*Two Practical classes are considered as One Hour of classroom teaching and One credit is awarded)

ESED: End Semester Exam Duration.

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Board of Studies in Commerce
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STRUCTURE OF B.COM.(E-Comm) DEGREE COURSE w.e.f. ACADEMIC YEAR 2019 onwards								
FIRST YEAR:								
SEMESTER								
Sl.No	Code	Course Title	Course Type	Sem Exam	IA	Total	THPW	Credits
1	BC101	Environmental Studies	AECC-1	35	15	50	2Hrs	2
2	BC102	English	CC-1A	35	15	50	5 Hrs	5
3	BC103	Second Language	CC-2A	35	15	50	5 Hrs	5
4	BC104	Financial Accounting- I	DSC-1A	35	15	50	5 Hrs	5
5	BC105	Business Economics	DSC-2A	35	15	50	4 Hrs	4
6	BC106	Business Organization	DSC-3A	35	15	50	3T+2P*	4
7	BC107	Information Technology	DSC-4A	35	15P*	50	30	30
Total								
SEMESTER-II:								
8	BC201	Gender Sensitization	AECC-2	35	15	50	2Hrs	2
9	BC202	English	CC-1B	35	15	50	5 Hrs	5
10	BC203	Second Language	CC-2B	35	15	50	5 Hrs	5
11	BC204	Financial Accounting- II	DSC-1B	35	15	50	5 Hrs	5
12	BC205	Managerial Economics	DSC-2B	35	15	50	5 Hrs	5
13	BC206	Principles of Management	DSC-3B	35	15	50	4 Hrs	4
14	BC207	Relational Database Management System	DSC-4B	35	15P*	50	3T+2P*	4
Total							30	30
SECOND YEAR:								
SEMESTER-III								
15	BC301	Principles of Insurance	SEC-1	35	15	50	2Hrs	2
16	BC302	English	CC-1C	35	15	50	5 Hrs	5
17	BC303	Second Language	CC-2C	35	15	50	5 Hrs	5
18	BC304	Advanced Accounting	DSC-1C	35	15	50	5 Hrs	5
19	BC305	Income Tax-I	DSC-2C	35	15	50	5 Hrs	5
20	BC306	Business Statistics-I	DSC-3C	35	15	50	4 Hrs	4
21	BC307	Programming with C	DSC-4C	35	15P*	50	3T+2P*	4
Total							30	30
SEMESTER-IV:								
22	BC401	Practice of Life Insurance	SEC-2	35	15	50	2Hrs	2
23	BC402	English	CC-1D	35	15	50	5 Hrs	5
24	BC403	Second Language	CC-2D	35	15	50	5 Hrs	5
25	BC404	Corporate Accounting	DSC-1D	35	15	50	5 Hrs	5
26	BC405	Income Tax-II	DSC-2D	35	15	50	5 Hrs	5
27	BC406	Business Statistics-II	DSC-3D	35	15	50	4 Hrs	4
28	BC407	Objective Oriented Programming with C++	DSC-4D	35	15P*	50	3T+2P*	4
Total							30	30

THIRD YEAR: SEMESTER-V:								
29	BC501	Practice of General Insurance	SEC-3	35	15	50	2Hrs	2
30	BC502	Introduction to Indian Economy	GE-1	35	15	50	2 Hrs	2
31	BC503	Cost Accounting	DSC-1E	35	15	50	4 Hrs	4
32	BC504	Business Law	DSC-2E	35	15	50	4 Hrs	4
33	BC505	Banking Theory & Practice	DSC-3E	35	15	50	4 Hrs	4
34	BC506	Computerised Accounting	DSC-4E	35	15P*	50	3T+2P*	4
35	BC507	Fundamentals of Electronic Communication	DSE-1A	35	15	50	4T+2P*	5
36	BC508	E-Commerce & Functional Business Systems	DSE-2A	35	15	50	4T+2P*	5
Total							30	30
SEMESTER-VI:								
37	BC601	Regulation of Insurance Business	SEC-4	35	15	50	2 Hrs	2
38	BC602	Sectors of Indian Economy	GE-2	35	15	50	2 Hrs	2
39	BC603	Theory and Practice off GST	DSC-1F	35	15	50	4 Hrs	4
40	BC604	Company Law	DSC-2F	35	15	50	4 Hrs	4
41	BC605	Managerial Accounting	DSC-3F	35	15	50	4 Hrs	4
42	BC606	Commerce Lab	DSC-4F	35Record	15V	50	2T+4P*	4
43	BC607	E-Commerce Applications	DSE-1B	35	15	50	4T+2P*	5
44	BC608	DataBase Management System & System Analysis & Design.	DSE-2B	35	15	50	4T+2P*	5
Total							30	30
Grand Total							180	180

SUMMARY OF CREDITS

Sl.No	Course Category	No.of Courses	Credits Per Course	Credits
1	AECC	2	2	4
2	SEC	4	2	8
3	CC Languages	8	5	40
		8	5	40
		16	4	64
4	DSE	4	5	20
5	GE	2	2	4
TOTAL		44		180
Commerce Total		28		124

AECC: Ability Enhancement Compulsory Course; SEC: Skill Enhancement Course; DSC: Discipline Specific Course; DSE: Discipline Specific Elective; GE: Generic Elective; THPW: Teaching Hours per week, T=Theory; P=Practical; (*Two Practical classes are considered as One Hour of classroom teaching and One credit is awarded)
ESED: End Semester Exam Duration.

[Signature]
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15



[Signature]
CHAIRMAN

**STRUCTURE OF B.COM.(Advertising, Sales Promotion & Sales Management) DEGREE COURSE
w.e.f. ACADEMIC YEAR 2019 onwards**

FIRST YEAR:

SEMESTER-I:

Sl.No	Code	Course Title	Course Type	Sem Exam	IA	Total	PPW	Credits
1	BC101	Environmental Studies	AECC-1	35	15	50	2Hrs	2
2	BC102	English	CC-1A	35	15	50	5Hrs	5
3	BC103	Second Language(H/U/T/A)	CC-2A	35	15	50	5Hrs	5
4	BC104	Financial Accounting- I	DSC-1A	35	15	50	5Hrs	5
5	BC105	Business Economics	DSC-2A	35	15	50	5Hrs	5
6	BC106	Business Organization	DSC-3A	35	15	50	4Hrs	4
7	BC107	Information Technology	DSC-4A	35	15P*	50	3T+2P*	4
		Total					30	30

SEMESTER-II:

8	BC201	Gender Sensitisation	AECC-2	35	15	50	2Hrs	2
9	BC202	English	CC-1B	35	15	50	5Hrs	5
10	BC203	Second Language(H/U/T/A)	CC-2B	35	15	50	5Hrs	5
11	BC204	Financial Accounting- II	DSC-1B	35	15	50	5Hrs	5
12	BC205	Managerial Economics	DSC-2B	35	15	50	5Hrs	5
13	BC206	Principles of Management	DSC-3B	35	15	50	4Hrs	4
14	BC207	Foreign Trade	DSC-4B	35	15	50	4Hrs	4
		Total					30	30

SECOND YEAR:

SEMESTER-III

15	BC301	Principles of Insurance	SEC-1	35	15	50	2Hrs	2
16	BC302	English	CC-1C	35	15	50	5Hrs	5
17	BC303	Second Language(H/U/T/A)	CC-2C	35	15	50	5Hrs	5
18	BC304	Advanced Accounting	DSC-1C	35	15	50	5Hrs	5
19	BC305	Income Tax-I	DSC-2C	35	15	50	5Hrs	5
20	BC306	Business Statistics-I	DSC-3C	35	15	50	4Hrs	4
21	BC307	Media Management	DSC-4C	35	15	50	4Hrs	4
		Total					30	30

SEMESTER-IV:

22	BC401	Practice of Life Insurance	SEC-2	35	15	50	2Hrs	2
23	BC402	English	CC-1D	35	15	50	5Hrs	5
24	BC403	Second Language(H/U/T/A)	CC-2D	35	15	50	5Hrs	5
25	BC404	Corporate Accounting	DSC-1D	35	15	50	5Hrs	5
26	BC405	Income Tax-II	DSC-2D	35	15	50	5Hrs	5
27	BC406	Business Statistics-II	DSC-3D	35	15	50	4Hrs	4
28	BC407	International Advertising	DSC-4D	35	15	50	4Hrs	4
		Total					30	30

Vijay Kumar

THIRD YEAR: SEMESTER-V:								
29	BC501	Practice of General Insurance	SEC-3	35	15	50	2Hrs	2
30	BC502	Introduction to Indian Economy	GE-1	35	15	50	2Hrs	2
31	BC503	Cost Accounting	DSC-1E	35	15	50	5Hrs	5
32	BC504	Business Law	DSC-2E	35	15	50	4Hrs	4
33	BC505	Banking Theory & Practice	DSC-3E	35	15	50	4Hrs	4
34	BC506	Computerized Accounting	DSC-4E	35	15 P*	50	3T+2P*	4
35	BC507	Brand Management	DSE-1A	35	15	50	4Hrs	4
36	BC508	Media Research & Planning	DSE-2A	35	15	50	5Hrs	5
		Total					30	30
SEMESTER-VI:								
37	BC601	Regulation of Insurance Business	SEC-4	35	15	50	2Hrs	2
38	BC602	Sectors of Indian Economy	GE-2	35	15	50	2Hrs	2
39	BC603	Managerial Accounting	DSC-1F	35	15	50	4Hrs	4
40	BC604	Company Law	DSC-2F	35	15	50	4Hrs	4
41	BC605	Financial Institutions & Markets	DSC-3F	35	15	50	4Hrs	4
42	BC606	Commerce Lab	DSC-4F	35Record	15Viva	50	2T+4P*	4
43	BC607	Copy Writing of Management	DSE-1B	35	15	50	5Hrs	5
44	BC608	Project	DSE-2B	35	15	50	5Hrs	5
		Total					30	30
		Grand Total					180	180

SUMMARY OF CREDITS

Sl. No	Course Category	No. of Courses	Credits Per Course	Credits
1	AECC	2	2	4
2	SEC	4	2	8
3	CC Languages DSC	8	5	40
		8	5	40
		16	4	64
4	DSE	4	5	20
5	GE	2	2	4
	TOTAL	44		180
	Commerce Total	28		124

AECC: Ability Enhancement Compulsory Course; SEC: Skill Enhancement Course; DSC: Discipline Specific Course; DSE: Discipline Specific Elective; GE: Generic Elective; T=Theory P=Practical-(*Two Practical classes are considered as One Hour of classroom teaching and One credit is awarded)

Vijendra

Sushant

SRUCTURE OF B.COM.(Foreign Trade) DEGREE COURSE w.e.f. ACADEMIC YEAR 2019 onwards

FIRST YEAR:

SEMESTER-I:

Sl.No	Code	Course Title	Course Type	Sem Exam	IA	Total	THPW	Credits
1	BC101	Environmental Studies	AECC-1	35	15	50	2Hrs	2
2	BC102	English	CC-1A	35	15	50	5 Hrs	5
3	BC103	Second Language(H/U/T/A)	CC-2A	35	15	50	5 Hrs	5
4	BC104	Financial Accounting- I	DSC-1A	35	15	50	5 Hrs	5
5	BC105	Business Economics	DSC-2A	35	15	50	5 Hrs	5
6	BC106	Business Organization	DSC-3A	35	15	50	4 Hrs	4
7	BC107	Basics of Foreign Trade	DSC-4A	35	15	50	4 Hrs	4
		Total					30	30

SEMESTER-II:

8	BC201	Gender Sensitisation	AECC-2	35	15	50	2Hrs	2
9	BC202	English	CC-1B	35	15	50	5 Hrs	5
10	BC203	Second Language(H/U/T/A)	CC-2B	35	15	50	5 Hrs	5
11	BC204	Financial Accounting- II	DSC-1B	35	15	50	5 Hrs	5
12	BC205	Managerial Economics	DSC-2B	35	15	50	5 Hrs	5
13	BC206	Principles of Management	DSC-3B	35	15	50	4 Hrs	4
14	BC207	India's Foreign Trade	DSC-4B	35	15	50	4Hrs	4
		Total					30	30

SECOND YEAR:

SEMESTER-III

15	BC301	Principles of Insurance	SEC-1	35	15	50	2Hrs	2
16	BC302	English	CC-1C	35	15	50	5 Hrs	5
17	BC303	Second Language(H/U/T/A)	CC-2C	35	15	50	5 Hrs	5
18	BC304	Advanced Accounting	DSC-1C	35	15	50	5 Hrs	5
19	BC305	Income Tax-I	DSC-2C	35	15	50	5 Hrs	5
20	BC306	Business Statistics-I	DSC-3C	35	15	50	4 Hrs	4
21	BC307	Elements of Export Marketing	DSC-4C	35	15	50	4 Hrs	4
		Total					30	30

SEMESTER-IV:

22	BC401	Practice of Life Insurance	SEC-2	35	15	50	2Hrs	2
23	BC402	English	CC-1D	35	15	50	5 Hrs	5
24	BC403	Second Language(H/U/T/A)	CC-2D	35	15	50	5 Hrs	5
25	BC404	Corporate Accounting	DSC-1D	35	15	50	5 Hrs	5
26	BC405	Income Tax-II	DSC-2D	35	15	50	5 Hrs	5
27	BC406	Business Statistics-II	DSC-3D	35	15	50	4 Hrs	4
28	BC407	Foreign Trade Financing Procedures	DSC-4D	35	15	50	4 Hrs	4
		Total					30	30

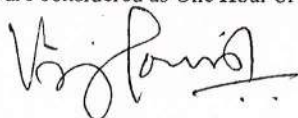
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THIRD YEAR: SEMESTER-V:								
29	BC501	Practice of General Insurance	SEC-3	35	15	50	2Hrs	2
30	BC502	Introduction to Indian Economy	GE-1	35	15	50	2 Hrs	2
31	BC503	Cost Accounting	DSC-1E	35	15	50	4 Hrs	4
32	BC504	Business Law	DSC-2E	35	15	50	4 Hrs	4
33	BC505	Banking Theory & Practice	DSC-3E	35	15	50	4 Hrs	4
34	BC506	Computerised Accounting	DSC-4E	35	15P*	50	3T+2P*	4
35	BC507	Marketing and Advertising for International Business	DSE-1A	35	15	50	5 Hrs	5
36	BC508	Logistics Management	DSE-2A	35	15	50	5 Hrs	5
Total							30	30
SEMESTER-VI:								
37	BC601	Regulation of Insurance Business	SEC-4	35	15	50	2 Hrs	2
38	BC602	Sectors of Indian Economy	GE-2	35	15	50	2 Hrs	2
39	BC603	Managerial Accounting	DSC-1F	35	15	50	4 Hrs	4
40	BC604	Company Law	DSC-2F	35	15	50	4 Hrs	4
41	BC605	Financial Institutions & Markets	DSC-3F	35	15	50	4 Hrs	4
42	BC606	Commerce Lab	DSC-4F	35Record	15V	50	2T+4P*	4
43	BC607	Cross Cultural Consumer & Industrial Buyer Behaviour	DSE-1B	35	15	50	5 Hrs	5
44	BC608	Project & Internship	DSE-2B	35	15	50	5 Hrs	5
Total							30	30
Grand Total							181	181

SUMMARY OF CREDITS

Sl.No	Course Category	No. of Courses	Credits Per Course	Credits
1	AECC	2	2	4
2	SEC	4	2	8
3	CC Languages	8	5	40
	DSC	9	5	45
		15	4	60
4	DSE	4	5	20
5	GE	2	2	4
	TOTAL	44		181
	Commerce Total	28		125

AECC: Ability Enhancement Compulsory Course; SEC: Skill Enhancement Course; DSC: Discipline Specific Course; DSE: Discipline Specific Elective; GE: Generic Elective; T=Theory; P=Practical (**Two Practical classes are considered as One Hour of classroom teaching and One credit is awarded)



STRUCTURE OF B.COM (Tax Practices & Procedures) DEGREE COURSE w.e.f. ACADEMIC YEAR 2018 onwards								
FIRST YEAR:								
SEMESTER-I								
Sl.No	Code	Course Title	Course Type	Sem Exam	IA	Total	PPW	Credits
1	BC101	Environmental Studies	AECC-1	35	15	50	2Hrs	2
2	BC102	English	CC-1A	35	15	50	5 Hrs	5
3	BC103	Second Language(H/U/T/A)	CC-2A	35	15	50	5 Hrs	5
4	BC104	Financial Accounting- I	DSC-1A	35	15	50	5 Hrs	5
5	BC105	Business Economics	DSC-2A	35	15	50	5 Hrs	5
6	BC106	Business Organization	DSC-3A	35	15	50	4 Hrs	4
7	BC107	Information Technology	DSC-4A	35	15P*	50	3T+2P*	4
		Total					30	30
SEMESTER-II:								
8	BC201	Gender Sensitisation	AECC-2	35	15	50	2Hrs	2
9	BC202	English	CC-1B	35	15	50	5 Hrs	5
10	BC203	Second Language(H/U/T/A)	CC-2B	35	15	50	5 Hrs	5
11	BC204	Financial Accounting- II	DSC-1B	35	15	50	5 Hrs	5
12	BC205	Managerial Economics	DSC-2B	35	15	50	5 Hrs	5
13	BC206	Principles of Management	DSC-3B	35	15	50	4 Hrs	4
14	BC207	Foreign Trade	DSC-4B	35	15	50	4 Hrs	4
		Total					30	30
SECOND YEAR:								
SEMESTER-III								
15	BC301	Principles of Insurance	SEC-1	35	15	50	2Hrs	2
16	BC302	English	CC-1C	35	15	50	5 Hrs	5
17	BC303	Second Language(H/U/T/A)	CC-2C	35	15	50	5 Hrs	5
18	BC304	Advanced Accounting	DSC-1C	35	15	50	5 Hrs	5
19	BC305	Income Tax-I	DSC-2C	35	15	50	5 Hrs	5
20	BC306	Business Statistics-I	DSC-3C	35	15	50	4 Hrs	4
21	BC307	Entrepreneurial Development & Business Ethics	DSC-4C	35	15 P*	50	3T+2P*	4
		Total					30	30
SEMESTER-IV:								
22	BC401	Practice of Life Insurance	SEC-2	35	15	50	2Hrs	2
23	BC402	English	CC-1D	35	15	50	5 Hrs	5
24	BC403	Second Language(H/U/T/A)	CC-2D	35	15	50	5 Hrs	5
25	BC404	Corporate Accounting	DSC-1D	35	15	50	5 Hrs	5
26	BC405	Income Tax-II	DSC-2D	35	15	50	5 Hrs	5
27	BC406	Business Statistics-II	DSC-3D	35	15	50	4 Hrs	4
28	BC407	Auditing	DSC-4D	35	15	50	4 Hrs	4
		Total					30	30

Viraj P. Jain

THIRD YEAR: SEMESTER-V:								
29	BC501	Practice of General Insurance	SEC-3	35	15	50	2Hrs	2
30	BC502	Introduction to Indian Economy	GE-1	35	15	50	2 Hrs	2
31	BC503	Cost Accounting	DSC-1E	35	15	50	4 Hrs	4
32	BC504	Business Law	DSC-2E	35	15	50	4 Hrs	4
33	BC505	Banking Theory & Practice	DSC-3E	35	15	50	4 Hrs	4
34	BC506	Computerized Accounting	DSC-4E	35	15P*	50	3T+2P*	4
35	BC507	Direct Tax-I	DSE-1A	35	15	50	5 Hrs	5
36	BC508	Indirect Taxes	DSE-2A	35	15	50	5 Hrs	5
		Total					30	30
SEMESTER-VI:								
37	BC601	Regulation of Insurance Business	SEC-4	35	15	50	2 Hrs	2
38	BC602	Sectors of Indian Economy	GE-2	35	15	50	2 Hrs	2
39	BC603	Theory and Practice of GST	DSC-1F	35	15	50	4 Hrs	4
40	BC604	Company Law	DSC-2F	35	15	50	4 Hrs	4
41	BC605	Managerial Accounting	DSC-3F	35	15	50	4 Hrs	4
42	BC606	Commerce Lab	DSC-4F	35Record	15V	50	2T+4P*	4
43	BC607	Direct Tax-II	DSE-1B	35	15	50	5 Hrs	5
44	BC608	Tax Planning & Management	DSE-2B	35	15	50	5 Hrs	5
		Total					30	30
		Grand Total					180	180

SUMMARY OF CREDITS

Sl.No	Course Category	No.of Courses	Credits Per Course	Credits
1	AECC	2	2	4
2	SEC	4	2	8
3	CC Languages	8	5	40
	DSC	8	5	40
		16	4	64
4	DSE	4	5	20
5	GE	2	2	4
	TOTAL	44		180
	Commerce Total	28		124

AECC: Ability Enhancement Compulsory Course; SEC: Skill Enhancement Course; DSC: Discipline Specific Course; DSE: Discipline Specific Elective; GE: Generic Elective; T=Theory; P=Practical-(*Two Practical classes are considered as One Hour of classroom teaching and One credit is

DEPARTMENT OF COMMERCE, A.U.C.

M.Com(IS) COURSE STRUCTURE (CBCS)

FIRST SEMESTER

Sl. No (1)	Code (2)	Title of the Paper (3)	THPW (4)	Credits (5)	DESE (6)	IA (7)	Assignment (8)	End-Sem Exam (9)	Total (10)
1	MCIS 1: Core - I	Accounting Standards and Reporting	5	4	3 Hrs	15	5	80	100
2.	MCIS 2: Core - II	Financial Management	5	4	3 Hrs	15	5	80	100
3.	MCIS 3 Core -III	Organization Theory & Behavior	5	4	3 Hrs	15	5	80	100
4.	MCIS 4 : Elective - I	Business Information System	3T+4P	5	3 Hrs	15 IA	35 LPE	50/80	100
5.	MCIS 5 : Elective-II	Object Oriented Programming using C++	3T+4P	5	3 Hrs	15 IA	35 LPE	50	100
	SEMINAR		2	1	-	-	-	25*	25
			25T	23		75	85	365/395	525

*25=15W+10PR

SECOND SEMESTER

Sl. No (1)	Code (2)	Title of the Paper (3)	THPW (4)	Credits (5)	DESE (6)	IA (7)	Assignment (8)	End-Sem Exam (9)	Total (10)
6.	MCIS 6: Core - I	Advanced Managerial Accounting	5	4	3 Hrs	15	5	80	100
7.	MCIS 7: Core - II	Investment Management	5	4	3 Hrs	15	5	80	100
8.	MCIS 8 Core -III	Human Resource Management	5	4	3 Hrs	15	5	80	100
9.	MCIS 9 : Elective-I	E - Commerce	3T+4P	5	3 Hrs	15 IA	35 LPE	50/80	100
10.	MCIS 10 : Elective-II	Relational Data Base Management System	3T+4P	5	3 Hrs	15 IA	35 LPE	50	100
	SEMINAR		2	1	-	-	-	25*	25
			25T	23		75	85	365/ 395	525

*25=15W+10PR

Note: Specialization Papers in Semesters I & II (i.e., Operating System and E-Commerce) will have 5 Hours of theory teaching

Krishna

CHAIRPERSON



[Signature]
CHAIRMAN
Board of Studies in Commerce
Osmania University,
Hyderabad-500 007, T.S.

THIRD SEMESTER

Sl. No (1)	Code (2)	Title of the Paper (3)	THPW (4)	Credits (5)	DESE (6)	IA (7)	Assignment (8)	End-Sem Exam (9)	Total (10)
11.	MCIS 11: Core - I	Research Methodology & Statistical Analysis	5	4	3 Hrs	15	5	80	100
12.	MCIS 12: Core - II	Marketing Management	5 (4T+2P)	4	3 Hrs	15	5	80	100
13.	MCIS 13 Core -III	Cost Accounting and Control	5	4	3 Hrs	15	5	80	100
14.	MCIS 14: Elective-I	Data Communication and Net work	3T+4P	5	3 Hrs	15 IA	35 LPE	50/ 80	100
15.	MCIS 15 Elective-II	Advanced Excel	3T+4P	5	3 Hrs	15 IA	35 LPE	50/ 80	100
16.	ID Paper	Business Organization & Management	4	4	3 Hrs	15	5	80	100
	SEMINAR		2	1	-	-	-	25*	25
			31T	27		90	90	445/ 505	625

FOURTH SEMESTER:

Sl No (1)	Code (2)	Title of the Paper (3)	THPW (4)	Credits (5)	DESE (6)	IA (7)	Assignment (8)	End-Sem. Exam (9)	Total (10)
17.	MCIS:16 Core - I	ERP	5	4	3 Hrs	15	5	80	100
18.	MCIS:17 Core - II	Business and Corporate Taxation	5	4	3 Hrs	15	5	80	100
19.	MCIS:18 Core -III	ME & BEP	5	4	3 Hrs	15	5	80	100
20.	MCIS:19: Elective-I	Business decisions using SPSS	3T+4P	5	3 Hrs	15 IA	35 LPE	50/80	100
21.	MCIS:20 Elective-II	Web Designing	3T+4P	5	3 Hrs	15 IA	35 LPE	50	100
22.	MCIS: 21	Project Work	8	4	3 Hrs			50VV + 50D	100
	SEMINAR		2	1	-	-	-	25*	25
	TOTAL		(31T+8 P)/35T	27		75	85	465/ 495	625
	GRAND TOTAL		120	100	-	315	345	1640/ 1790	2300

25=15W+10PR

Note: Specialization Papers in Semesters III & IV (i.e., Data Communication and Networks, Cyber Laws and E-Business Management) will have 5 Hours of theory teaching and End Semester Exam for 80 Marks, IA for 15 Marks and Assignment for 5 Marks. Inter Disciplinary (ID) Paper in Third Semester is offered to the Non-Commerce PG Students.

THPW= Teaching Hours Per Week; ESED=End-Semester Examination Duration; VV=Viva-Voce;

Vijayamma 8

CHAIRPERSON

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[Signature]
CHAIRMAN

Board of Studies in Commerce
Osmania University,
Hyderabad-500 007., T.S.

DEPARTMENT OF COMMERCE, A.U.C.

M.Com. COURSE STRUCTURE (CBCS)

FIRST SEMESTER:

Sl. No (1)	Code (2)	Title of the Paper (3)	THPW (4)	Credits (5)	DESE (6)	IA (7)	Assignment (8)	End-Sem.Exam (9)	Total (10)
1	Com 1 : Core – I	Managerial Economics	5	4	3 Hrs	15	5	80	100
2.	Com 2 : Core – II	Principles of Marketing	5	4	3 Hrs	15	5	80	100
3.	Com 3: Core –III	OT & OB	5	4	3 Hrs	15	5	80	100
4.	Com 4 : Elective-I	Financial Management	5	5	3 Hrs	15	5	80	100
5.	Com 5: Elective-II	Accounting Standards	5	5	3 Hrs	15	5	80	100
	SEMINAR		2	1	-	-	-	25*	25
			27	23		75	25	425	525

*25=15W+10PR

SECOND SEMESTER:

Sl. No (1)	Code (2)	Title of the Paper (3)	THPW (4)	Credits (5)	DESE (6)	IA (7)	Assignment (8)	End-Sem.Exam (9)	Total (10)
6.	Com 6 : Core – I	Business Environment & Policy	5	4	3 Hrs	15	5	80	100
7.	Com 7 : Core – II	Marketing Management	5	4	3 Hrs	15	5	80	100
8.	Com 8: Core –II I	Human Resource Management	5	4	3 Hrs	15	5	80	100
9.	Com 9 : Elective-I	Investment Management	5	5	3 Hrs	15	5	80	100
10.	Com 10: Elective-II	Advanced Managerial Accounting	5	5	3 Hrs	15	5	80	100
	SEMINAR		2	1	-	-	-	25*	25
			27	23		75	25	425	525

*25=15W+10PR

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THIRD SEMESTER:

Sl. No (1)	Code (2)	Title of the Paper (3)	THPW (4)	Credits (5)	DESE (6)	IA (7)	Assignment (8)	End-Sem.Exam (9)	Total (10)
11.	Com 11 : Core – I	Research Methodology & Statistical Analysis	5	4	3 Hrs	15	5	80	100
12.	Com 12 : Core – II	E-Commerce	5 (4T+2P)	4	3 Hrs	15	35 LPE	50	100
13.	Com 13: Core –III	Cost Accounting and Control	5	4	3 Hrs	15	5	80	100
14.	Com 14 : Elective-I	International Financial Management	5	5	3 Hrs	15	5	80	100
15.	Com 15: Elective-II	Security Analysis & Portfolio Management	5	5	3 Hrs	15	5	80	100
16.	ID Paper	Business Organization & Management	4	4	3 Hrs	15	5	80	100
	SEMINAR		2	1	-	-	-	25*	25
			31	27		90	60	475	625

FOURTH SEMESTER:

Sl. No (1)	Code (2)	Title of the Paper (3)	THPW (4)	Credits (5)	DESE (6)	IA (7)	Assignment (8)	End-Sem. Exam (9)	Total (10)
17.	Com 16 : Core – I	Quantitative Techniques for Business Decisions	5	4	3 Hrs	15	5	80	100
18.	Com 17: Core – II	Business and Corporate Taxation	5	4	3 Hrs	15	5	80	100
19.	Com 18: Core –III	Strategic Management	5	4	3 Hrs	15	5	80	100
20.	Com 19 : Elective-I	Financial Services	5	5	3 Hrs	15	5	80	100
21.	Com 20: Elective-II	Financial Derivatives	5	5	3 Hrs	15	5	80	100
22.	Com:21	Project Work	8	4				50VV + 50D	100
	SEMINAR		2	1	-	-	-	25*	25
	TOTAL		35	27		75	25	525	625
	GRAND TOTAL		120	100	-	315	135	1850	2300

25=15W+10PR

Inter Disciplinary (ID) Paper in Third Semester is offered to the Non-Commerce PG Students.

THPW= Teaching Hours Per Week; ESED=End-Semester Examination Duration; VV=Viva-Voce;

LPE = Lab Practical Examinations; D=Dissertation; T=Theory; P=Practical; W=Write-up; PR=Presentation; DESE = Duration of End-Semester Examination.

Vijay Prasad

DEPARTMENT OF COMMERCE, A.U.C.

M.Com. COURSE STRUCTURE (CBCS)

FIRST SEMSTER:

Sl. No (1)	Code (2)	Title of the Paper (3)	THPW (4)	Credits (5)	DESE (6)	IA (7)	Assignme nt (8)	End- Sem.E xam (9)	Total (10)
1	Com 1 : Core - I	Managerial Economics	5	4	3 Hrs	15	5	80	100
2.	Com 2 : Core - II	Principles of Marketing	5	4	3 Hrs	15	5	80	100
3.	Com 3: Core -III	OT & OB	5	4	3 Hrs	15	5	80	100
4.	Com 4 : Elective-I	Financial Management	5	5	3 Hrs	15	5	80	100
5.	Com 5: Elective-II	Accounting Standards	5	5	3 Hrs	15	5	80	100
	SEMINAR		2	1	-	-	-	25*	25
			27	23		75	25	425	525

*25=15W+10PR

SECOND SEMESTER:

Sl. No (1)	Code (2)	Title of the Paper (3)	THPW (4)	Credits (5)	DESE (6)	IA (7)	Assignment (8)	End- Sem.Exam (9)	Total (10)
6.	Com 6 : Core - I	Business Environment & Policy	5	4	3 Hrs	15	5	80	100
7.	Com 7 : Core - II	Marketing Management	5	4	3 Hrs	15	5	80	100
8.	Com 8: Core -II I	Human Resource Management	5	4	3 Hrs	15	5	80	100
9.	Com 9 : Elective-1	Investment Management	5	5	3 Hrs	15	5	80	100
10.	Com 10: Elective-II	Advanced Managerial Accounting	5	5	3 Hrs	15	5	80	100
	SEMINAR		2	1	-	-	-	25*	25
			27	23		75	25	425	525

*25=15W+10PR

THIRD SEMESTER:

Sl. No (1)	Code (2)	Title of the Paper (3)	THPW (4)	Credits (5)	DESE (6)	IA (7)	Assignment (8)	End-Sem.Exam (9)	Total (10)
11.	Com 11 : Core – I	Research Methodology & Statistical Analysis	5	4	3 Hrs	15	5	80	100
12.	Com 12 : Core – II	E-Commerce	5 (4T+2P)	4	3 Hrs	15	35 LPE	50	100
13.	Com 13: Core –III	Cost Accounting and Control	5	4	3 Hrs	15	5	80	100
14.	Com 14 : Elective-I	International Financial Management	5	5	3 Hrs	15	5	80	100
15.	Com 15: Elective-II	Security Analysis & Portfolio Management	5	5	3 Hrs	15	5	80	100
16.	ID Paper	Business Organization & Management	4	4	3 Hrs	15	5	80	100
	SEMINAR		2	1	-	-	-	25*	25
			31	27		90	60	475	625

FOURTH SEMESTER:

Sl. No (1)	Code (2)	Title of the Paper (3)	THPW (4)	Credits (5)	DESE (6)	IA (7)	Assignment (8)	End-Sem. Exam (9)	Total (10)
17.	Com 16 : Core – I	Quantitative Techniques for Business Decisions	5	4	3 Hrs	15	5	80	100
18.	Com 17: Core – II	Business and Corporate Taxation	5	4	3 Hrs	15	5	80	100
19.	Com 18: Core –III	Strategic Management	5	4	3 Hrs	15	5	80	100
20.	Com 19 : Elective-I	Financial Services	5	5	3 Hrs	15	5	80	100
21.	Com 20: Elective-II	Financial Derivatives	5	5	3 Hrs	15	5	80	100
22.	Com:21	Project Work	8	4				50VV + 50D	100
	SEMINAR		2	1	-	-	-	25*	25
	TOTAL		35	27		75	25	525	625
	GRAND TOTAL		120	100	-	315	135	1850	2300

25=15W+10PR

Inter Disciplinary (ID) Paper in Third Semester is offered to the Non-Commerce PG Students.

THPW= Teaching Hours Per Week; ESED=End-Semester Examination Duration; VV=Viva-Voce;

LPE = Lab Practical Examinations; D=Dissertation; T=Theory; P=Practical; W=Write-up; PR=Presentation; DESE = Duration of End-Semester Examination.

B.A. ECONOMICS I YEAR
SEMESTER – I & II
(2019-2020)
COURSE STRUCTURE
CHOICE BASED CREDIT SYSTEM

Code	Name of the Paper	PPW	Credit	Scheme of Examination	
				IA Marks	External Marks
SEMESTER – I					
1111	Micro-Economics	5hrs	5	15	35
AECC – I					
AECC- I	Environmental Studies	2hrs	2	--	50
SEMESTER – II					
1211	Micro Economics	5 hrs	5	15	35
AECC – II					
AECC- II	Gender Sensitization	2hrs	2	--	50


Professor
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Osmania University, Hyd-7

B.A. II year
SEMESTER – III & IV
 (2019-2020)

COURSE STRUCTURE

CHOICE BASED CREDIT SYSTEM PATTERN

Code	Name of the Paper	PPW	Credit	Scheme of Examination	
				IA Marks	External Marks
SEMESTER –III					
2111	Micro-Economics	5Hrs	5	15	35
SEC – I					
SECC - I	Money and Banking	2 Hrs	2	--	50
SEMESTER – IV					
2211	Public Economics	5 Hrs	5	15	35
SEC – II					
SECC- II	Environmental Economics	2Hrs	2	--	50

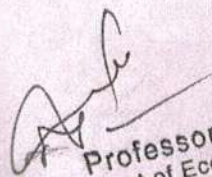

 Professor
 Department of Economics
 Osmania University, Hyd-7

B.A. (ECONOMICS) III year
SEMESTER – V(A),V(B) & VI(A) &VI(B)
(2019-2020)

COURSE STRUCTURE

CHOICE BASED CREDIT SYSTEM PATTERN

Code	Semester	Name of the Paper	PPW	Credit	Scheme Of Examination	
					IA Marks	External Marks
SEMESTER –V						
	V(A)	Indian Economy	5Hours	5	15	35
	V(B)	Public Finance	5Hours	5	15	35
	Add-on	Industrial Economics	2 hrs	1	15	35
SEMESTER –VI						
	VI(A)	Indian Economy	5 Hours	5	15	35
	VI(B)	Public Finance &International Economics	5 Hours	5	15	35
	IDE	Financial Economics	2 hrs	1	15	35


 Professor
 Department of Economics
 Osmania University, Hyd-7

ANWARUL ULOOM COLLEGE (Autonomous)

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New Mallepally, Hyderabad. T.S

Department of Economics

M.A.(Economics) Course Structure

(Choice Based Credit System)

(2019-2020)

MASTER STRUCTURE

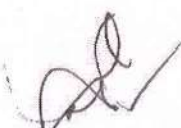
SEMESTER – I

Paper Code	Name of the Paper	PPW	Credits	Scheme Of Examination		Total
				I.A Marks	External Marks	
ECO 101	Micro Economics Analysis- I	5	5	20	80	100
ECO 102	Macro Economics Analysis –I	5	5	20	80	100
ECO 103	Quantitative Methods- I	5	5	20	80	100
ECO 104	Agricultural Economics-I Or Computer Applications-I	5	5	20	80	100
ECO 105	Economics of Social Sector-I Or Financial Economics–I	5	5	20	80	100
Add-on 106	Communicative English & Soft Skills	30Hrs	2	--	50	50
	TOTAL	25	27	100	450	550

Notation:

IA-Internal Assessment

1. **Note** :For each papers there will be semester examination for 80 marks and 20 marks for Internal Assessment.
2. 15 marks for Internal Assessment and 5 marks for Assignment in the subject, average of two shall be considered for the award of marks.


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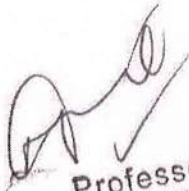
COURSE STRUCTURE
SEMESTER – II

Paper Code	Name of the Paper	PPW	Credits	Scheme Of Examination		
				I.A Marks	External Marks	Total
ECO 201	Micro Economics Analysis- II	5	5	20	80	100
ECO 202	Macro Economics Analysis -II	5	5	20	80	100
ECO 203	Quantitative Methods- II	5	5	20	80	100
ECO 204	Agricultural Economics-II Or Computer Applications-II	5	5	20	80	100
ECO 205	Economics of Social Sector-II Or Financial economics-II	5	5	20	80	100
ADD – ON 206	Human Values & Profession Ethics	30Hrs	2	--	50	50
TOTAL		25	27	100	450	550

Notation:IA-Internal Assessment

Note :

1. For each paper there will be semester examination for 80 marks and 20 marks for Internal Assessment.
2. 15 marks for Internal Assessment and 5 marks for Assignment in the subject, average of two shall be considered for the award of marks.


Professor
Department of Economics
Osmania University, Hyd-7

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New Mallepally, Hyderabad. T.S

M.A.Economics**(Choice Based Credit System)****(2019– 2020)****MASTER STRUCTURE****SEMESTER – III**

Paper Code	Name Of The Paper	PPW	Credits	Scheme Of Examination		
				IA Marks	External Marks	Total
ECO 301	Econometrics – I	5	5	20	80	100
ECO 302	International Economics -I	5	5	20	80	100
ECO 303	Public Economics– I	5	5	20	80	100
ECO 304	Industrial Economics– I Or Agriculture Business – I	5	5	20	80	100
ECO 305	Demography –I Or Development Economics - I	5	5	20	80	100
IDE 306	Telangana Economy	30 Hrs	2	--	50	50
TOTAL		25	27	100	450	550

SEMESTER – IV

Paper Code	Name Of The Paper	PPW	Credits	Scheme Of Examination		
				IA Marks	External Marks	Total
ECO 401	Econometrics–II	5	5	20	80	100
ECO 402	Indian Economy – II	5	5	20	80	100
ECO 403	Environmental Economics – II	5	5	20	80	100
ECO 404	Industrial Economics – II Or Agriculture Business - II	5	5	20	80	100
ECO 405	Economics Of Insurance Or Telangana Economy	5	5	20	80	100
IDE 406	Indian Economy and Development	30 Hrs	2	--	50	50
TOTAL		25	27	100	450	550

Notation: IA-Internal Assessment

- Note :**For each papers there will be semester examination for 80 marks and 20 marks for Internal Assessment.
- 15 marks** for Internal Assessment and 5 marks for Assignment in the subject, average of two shall be considered for the award of marks.

A. S. Rao
Professor
Department of Economics
Osmania University, Hyd-7



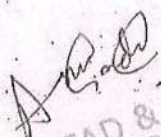
ANWARUL ULLOOM COLLEGE (AUTONOMOUS)
(An Autonomous Muslim Minority Institution)
New Mallepally, Hyderabad-500001 T.S , India
(Affiliated to Osmania University)

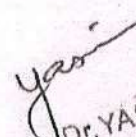
Faculty of Social Sciences
B.A (HPML)

Political Science (2019-2020)

Course Structure
Choice Based Credit System Pattern
Approval Syllabus for the Academic Year 2019-20

Code	Name of the paper	Scheme of instruction/Hours per week	Credit	Scheme of Examination	
				Internal Assessment Marks	Semester Examination Marks
SEMESTER – I					
1119	Understanding political Theory	5 Hours	5	15	35
AECC-I PAPER FOR SEMESTER – I					
A1119	Environmental Studies	2 Hours	2		50
SEMESTER – II					
1219	Western political thoughts	5 Hours	5	15	35
AECC-II PAPER FOR SEMESTER – II					
11219	Basic Computer Skills	2 Hours	2		50


HEAD & CHAIRMAN
BOARD OF STUDIES
DEPT. OF POLITICAL SCIENCE
ANWARUL-ULLOOM COLLEGE (AUTONOMOUS)
HYDERABAD.


Dr. YASMIN
Assistant Professor
Department of Political Science
Osmania University, Hyderabad.



ANWARUL ULOOM COLLEGE (AUTONOMOUS)

(An Autonomous Muslim Minority Institution)

New Mallepally, Hyderabad-500001 T.S , India

(Affiliated to Osmania University)

Faculty of Social Sciences

B.A (History Political Science and Modern Languages Urdu (HPML)

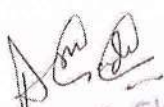
Subject : Political Science (2019-2020)

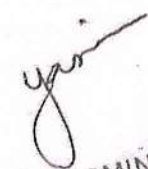
Course Structure

Choice Based Credit System Pattern

Approval Syllabus for the Academic Year 2019-2020

Code	Name of the paper	Scheme of instruction/Hours per week	Credit	Scheme of Examination	
				Internal Assessment Marks	Semester Examination Marks
SEMESTER – III					
1119	Indian Government and Politics	5 Hours	5	15	35
SEC- I PAPER FOR SEMESTER - III					
A1119	Emancipation of women	2 Hours	1		50
SEMESTER – IV					
1219	Indian Government and Politics; Union and State Governments	5 Hours	5	15	35
SEC –II PAPER FOR SEMESTER – IV					
11219	Caste System in India	2 Hours	2		50


HEAD & CHAIRMAN
BOARD OF STUDIES
DEPT. OF POLITICAL SCIENCE
ANWARUL ULOOM COLLEGE (AUTONOMOUS)


Dr. YASMIN
Assistant Professor
Department of Political Science
Osmania University, Hyderabad.



21

ANWARUL ULOOM COLLEGE (AUTONOMOUS)
(An Autonomous Muslim Minority Institution)
New Mallepally, Hyderabad-500001.T.S, India
(Affiliated to Osmania University)

COURSE STRUCTURE 2019-2020
CHOICE BASED CREDIT SYSTEM PATTERN
Approval Syllabus for Academic Year 2019-2020

B.A. III YEAR V A – V B

Semester	Name of the Paper	Schemes of Instructor Hours per week	Credit	Schemes of Examination	
				Internal Assessment	Semester Examination Marks

SEMESTER V A

V A	Pol. Science Ancient Indian Political Thoughts	5 Hrs.	5	15	35
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SEMESTER V B

V A	Pol. Science International Relations	5 Hrs.	5	15	35
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ADD ON PAPER FOR SEMESTER V A AND VB

	Reform Movements in India	2 Hrs	1	15	35
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Semester VI A – VI B

Semester	Name of the Paper	Schemes of Instructor Hours per week	Credit	Schemes of Examination	
				Internal Assessment	Semester Examination Marks

SEMESTER VI A

VI A	Pol. Science western Political Thoughts	5 Hrs	5	15	35
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SEMESTER VI B

VI B	Pol. Science International Relations	5 Hrs	5	15	35
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IDE PAPER FOR EMESTER VI A and VI B

	Women Studies An Introduction	2 Hrs	1	15	35
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2019-2020

[Signature]
HEAD & CHAIRMAN
BOARD OF STUDIES
DEPT. OF POLITICAL SCIENCE
ANWARUL ULOOM COLLEGE (AUTONOMOUS)
HYDERABAD.

[Signature]
Dr. HASMIN
Assistant Professor
Department of Political Science
Osmania University, Hyderabad.

ANWARUL ULOOM COLLEGE(Autonomous)

(An Autonomous Muslim Minority Institution)
New Mallepally, Hyderabad – 500 001, Telangana, India



Faculty of Social Sciences Department of Public Administration

2019-2020

Course Structure

Choice Based Credit System Pattern Approved Syllabus for the Academic
year 2019-2020

Scheme of Examination

Name of the Paper	Scheme of Instruction / Hours Per week	Credit	Internal Assignment Marks	Semester (End) Examination Marks.
Semester – I				
Basics of Public Administration-I	5 Hours	5	15	35
AECC-I Semester- I				
Environmental Studies	2 Hours	1	15	35
Semester – II				
Concepts and Principles of Public Administration-II	5 Hours	5	15	35
AECC-II Semester- II				
Gender Sensitization	2 Hours	1	15	35

Alhams
PROFESSOR & HEAD
Department of Public Administration
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ANWARUL-ULOOM COLLEGE (AUTONOMOUS)
HYDERABAD.

ANWARUL ULOOM COLLEGE(Autonomous)
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Faculty of Social Sciences
Department of Public Administration
 2019-2020

Course Structure

Scheme of Examination

Name of the Paper	Scheme of Instruction / Hours Per week	Credit	Internal Assignment Marks	Semester (End) Examination Marks.
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Semester – III

Public Administration in India	5 Hours	5	15	35
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SECC I Paper for Semester- III

Rural Urban Administration	2 Hours	1	15	35
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Semester – IV

Public Administration in India	5 Hours	5	15	35
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SECC II Paper for Semester-IV

Public Relations	2 Hours	1	15	35
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Dr. Hameed
 PROFESSOR & HEAD
 Department of Public Administration
 Osmania University, Hyd-7.

Dr. Hameed
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Faculty of Social Sciences
Department of Public Administration
2019 - 2020

Choice Based Credit System for B.A V & VI Semester

Semester	Name of the Paper	Internal Assessment Marks	Semester and Examination Marks
V A	Public Administration Management of resources	15	35
V B	Public Administration Office Management	15	35
VI A	Public Administration Management of resources	15	35
VI B	Public Administration Office Management	15	35

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Faculty of Social Sciences

Department of History


B. A. (History, Political Science & Modern Language – Urdu)

B. A. 1st Year
(2019 – 20)

Choice Based Credit System Pattern (w.e.f. 2015 – 16)

(Approved Syllabus for the Academic Year 2019 – 20)

S. No.	Year	Sem.	Paper	Title	Code No.	Inter. Marks	Sem. Marks	Teaching hours	Credits
1	1 st Year	I	I	History of India (from earliest times to 700 CE)	1113	15	35	5 Hrs	5
2			AECC - I	Environmental STUDIES		15	35	2 Hrs	2
3	1 st Year	II	II	History of India (from 700 – 1526 CE)	1213	15	35	5 Hrs	5
4			AECC - II	BASK COMPUTER SKILLS		15	35	2 Hrs	2


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Faculty of Social Sciences

Department of History


B. A. (History, Political Science & Modern Language – Urdu)

B. A. 2nd Year
(2019 – 20)

Choice Based Credit System Pattern (w.e.f. 2015 – 16)

(Approved Syllabus for the Academic Year 2019 – 20)

S. No.	Year	Sem.	Paper	Title	Code No.	Inter. Marks	Sem. Marks	Teaching hours	Credits
1	2 nd Year	III	III	History of India (from 1526 – 1857 CE)	1313	15	35	5 Hrs	4
2			SECC-I	History and Culture of Telangana (1500 – 2014 CE)		15	35	2 Hrs	1
3	2 nd Year	IV	IV	History of India (from 1858 – 1964 CE)	1413	15	35	5 Hrs	4
4			SECC-I	History of Tourism In India		15	35	2 Hrs	1


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(Affiliated to Osmania University)



Faculty of Social Sciences

Department of History


B. A. (History, Political Science & Modern Language – Urdu)

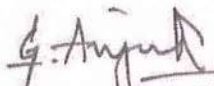
B. A. 3rd Year
(2019 – 20)

Choice Based Credit System Pattern (w.e.f. 2015 – 16)

(Approved Syllabus for the Academic Year 2019 – 20)

S. No.	Year	Sem.	Paper	Title	Code No.	Inter. Marks	Sem. Marks	Teaching hours	Credits
1	3 rd Year	V	V A	World History (1453 - 1815 CE)	1513 A	15	35	5 Hrs	4
2			V B	Islamic History & Culture (from earliest times to fall of Ummayyads)	1513 B	15	35	5 Hrs	4
3			Add-on	Archives & Museums		15	35	2 Hrs	1
4	3 rd Year	VI	VI A	World History (1815 - 1950 CE)	1513 A	15	35	5 Hrs	4
5			VII B	Islamic History & Culture (Rise of Abbasids to Crusades)	1513 B	15	35	5 Hrs	4
6			IDE	History of World Tourism		15	35	2 Hrs	1


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Department of History
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New Mallepally, Hyderabad – 500 001, T.S., India.
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Department of History Paper Titles & Marks Details (2019 – 20)

(Course Structure & Scheme of Examinations)

S. No.	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
						Max.	Min.			
M. A. Ist Year, I – Semester (CBCS)										
1	I	211	History of India (from earliest times to 1206 CE)	5 Hrs	20	80	32	100	5	3 Hrs
2	II	212	History of Modern World (from 1453 – 1871 CE)	5 Hrs	20	80	32	100	5	3 Hrs
3	III	213	History & Culture of Telangana (from earliest times to 1724 CE)	5 Hrs	20	80	32	100	5	3 Hrs
4	IV	214 a	Ancient Civilization	5 Hrs	20	80	32	100	5	3 Hrs
		214 b	History of China (1879 to 1949 CE)							
5	V	215 a	Tourism & Culture	5 Hrs	20	80	32	100	5	3 Hrs
		215 b	History of U S A (1776 to 1945 CE)							
6		116	Add On: Communicative English & Soft Skills	2 Hrs	–	50	20	–	2	2 Hrs
			Total	27 Hrs				500	25	17 Hrs
M. A. Ist Year, II – Semester (CBCS)										
1	I	221	History of India (1206 - 1858 CE)	5 Hrs	20	80	32	100	5	3 Hrs
2	II	222	History of Modern World (from 1871 – 1964 CE)	5 Hrs	20	80	32	100	5	3 Hrs
3	III	223	History & Culture of Telangana (1724 to 2014 CE)	5 Hrs	20	80	32	100	5	3 Hrs
4	IV	224 a	Historiography & Historical Method (IV a)	5 Hrs	20	80	32	100	5	3 Hrs
		224 b	History of Russia (1861 – 1991 CE)							
5	V	225 a	Environmental History of Modern India	5 Hrs	20	80	32	100	5	3 Hrs
		225 b	History of Japan (1850 – 1945 CE)							
6		126	Add – On Course: HV & PE/ Basics of Computer Science	2 Hrs	–	50	20	–	2	2 Hrs
			Total	27 Hrs				500	25	

Note: Add – on and I D E Courses marks and credits are not considered for Aggregate of Marks and Aggregate of total credits and for award of Division - 7. A)

G. Anjum
Chairman, Board of Studies
Department of History
Osmania University, Hyderabad

[Signature]
Head of the Department

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Dept. of History
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New Mallepally, Hyderabad



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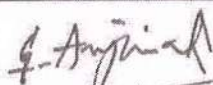
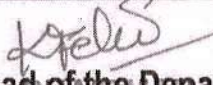
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Department of History Paper Titles & Marks Details (2019 – 20)

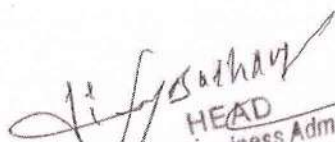
(Course Structure & Scheme of Examinations)

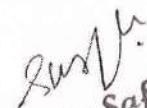
S. No.	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
						Max.	Min.			
M. A. 2nd Year, III – Semester (CBCS)										
1	I	231	Social, Economic & Cultural History of Medieval India (1206 – 1707 CE)	5 Hrs	20	80	32	100	5	3 Hrs
2	II	232	Social, Economic & Cultural History of Modern India (1707 – 1947 CE)	5 Hrs	20	80	32	100	5	3 Hrs
3	III	233	History of Dalit Movement in India (1900 – 1947 AD)	5 Hrs	20	80	32	100	5	3 Hrs
4	IV	234 a	History of Science & Technology in Modern India (1800 – 1964 CE)	5 Hrs	20	80	32	100	5	3 Hrs
		234 b	Architecture in Deccan							
5	V	235	History of Contemporary India (1947 – 2000 CE)	5 Hrs	20	80	32	100	5	3 Hrs
		236	IDE Course: Cultural Heritage of India Part – A.	2 Hrs	–	50	20	–	2	2 Hrs
			Total	29 Hrs				500	25	
M. A. 2nd Year, IV – Semester (CBCS)										
1	I	241	National Movement in India (1858 – 1947 CE)	5 Hrs	20	80	32	100	5	3 Hrs
2	II	242	Buddhist Studies	5 Hrs	20	80	32	100	5	3 Hrs
3	III	243	Tribal & Peasant Movement in India (19 th & 20 th Centuries)	5 Hrs	20	80	32	100	5	3 Hrs
4	IV	244 a	Constitutional History of India (1773 – 1947 CE)	5 Hrs	20	80	32	100	5	3 Hrs
		244 b	Archives & Museums							
5	V	245	Women studies in Modern India	5 Hrs	20	80	32	100	5	3 Hrs
6		246	IDE Course: Cultural Heritage of India – Part B	2 Hrs	–	50	20	–	2	2 Hrs
			Total	27 Hrs				500	25	

Total Credits: 100 & Total Marks: 2,000



 Chairman, Board of Studies. Head of the Department
 Department of History Board of Studies
 Osmania University, Hyderabad-7, A.P. Dept. of History
 Anwarul-uloom College
 New Mallepally, Hyderabad

STRUCTURE OF B.B.A DEGREE COURSE w.e.f. ACADEMIC YEAR 2019 onwards								
FIRST YEAR:								
SEMESTER-I:								
Sl.No	Code	Course Title	Course Type	Sem Exam	IA	Total	THPW	Credits
1	BBA101	Principles of Management	CC-1	35	15	50	5Hrs	5
2	BBA102	Basics of Marketing	CC-2	35	15	50	5Hrs	5
3	BBA103	Business Economics	CC-3	35	15	50	5Hrs	5
4	AECC1	Environmental Studies	AECC1	50	-	50	2Hrs	2
		Total					17Hrs	17
SEMESTER-II:								
5	BBA201	Organisational Behaviour	CC-4	35	15	50	5Hrs	5
6	BBA202	Business Statistics	CC-5	35	15	50	5Hrs	5
7	BBA203	Financial Accounting	CC-6	35	15	50	5Hrs	5
8	BBA204	Business Correspondence and communication	CC-7	35	15	50	5Hrs	5
9	AECC2	Basic Computer Skills	AECC2	50	-	50	2Hrs	2
		Total					22	22
SECOND YEAR:								
SEMESTER-III								
10	BBA301	Principles of Marketing	CC-9	35	15	50	5Hrs	5
11	BBA302	Advanced Accounting	CC-10	35	15	50	5Hrs	5
12	BBA303	Business Statistics-I	CC-11	35	15	50	5Hrs	5
13	BBA304	Direct Tax	CC-12	35	15	50	5Hrs	5
14	SEC1	Recreation and Leisure Time Management	EC-2	50	-	50	2Hrs	2
		Total					22	22
SEMESTER-IV:								
15	BBA401	Accounting for Management	CC-13	35	15	50	5Hrs	5
16	BBA402	Business Statistics-II	CC-14	35	15	50	5Hrs	5
17	BBA403	Banking and Insurance	CC-15	35	15	50	5Hrs	5
18	BBA404	Accounting Packages	CC-16	35	15	50	3T + 2P	5
19	SEC2	Creativity and Innovation Management	EC - 2	50	-	50	2Hrs	2
		Total					22Hrs	22


HEAD
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Dr. Syed Khaja Safiuddin
 Assistant Professor
 Department of Management Studies
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 Gachibowli, Hyderabad. (T.S.)

THIRD YEAR: SEMESTER-V:								
20	BBA501	Cost Accounting	CC-17	35	15	50	5Hrs	5
21	BBA502	Production and operations Management	CC-18	35	15	50	5Hrs	5
22	BBA503	Business Law	CC-19	35	15	50	5Hrs	5
23	BBA504	E- Commerce	CC-20	35	15	50	4T + 2P	5
24	BBA505	Human Resource Management	CC-21	35	15	50	5Hrs	5
25	BBA506	Financial Statement Analysis	CC-22	35	15	50	5Hrs	5
26	Add on	Business Ethics	EC-3	35	15	50	2Hrs	1
		Total					32	31
SEMESTER-VI:								
27	BBA601	Entrepreneurship Development	CC-23	35	15	50	5Hrs	5
28	BBA602	Business Communication	CC-24	35	15	50	5Hrs	5
29	BBA603	Industrial Relations Management	CC-25	35	15	50	5Hrs	5
30	BBA604	Web Technologies (Project Report)	CC-26	35R	15VV (PR)	50	4T + 2P	5
31	BBA605	Investment Management	CC-27	35	15	50	5Hrs	5
32	BBA606	International Finance	CC-28	35	15	50	5Hrs	5
33	BBA607	Project		35R	15VV	50	Internship	5
34	IDE	Time /management	EC-3	35	15	50	2Hrs	1
35	S&C	Science and Civilization	FC-3	35	15	50	2Hrs	2
36		Total					35	38
		Grand Total					150	158

Notation : T – Theory, P – Practical, R – Report, VV – Viva Voice Examination, CT – Course Title, CC – Core Courses, EC – Elective Course, CVW – Certified Voluntary Work, FC – (value Education) Foundation Course.

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 Department of Business Administration
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 Gachibowli, Hyderabad. (T.S.)

TELANGANA STATE COUNCIL OF HIGHER EDUCATION
PROPOSED CBCS COMMON CORE SCHEME FOR B.SC. COURSE
OPTIONAL -I: BOTANY

CODE	PAPER TITLE	Course Type	HPW	Credits
FIRST YEAR SEMESTER - I				
BS 104	PAPER-I : Microbial Diversity and Lower Plants	DSC-1A	4T+2P=6	4+1=5
FIRST YEAR SEMESTER - II				
BS 204	PAPER-II: Gymnosperms, Taxonomy of Angiosperms and Ecology	DSC-1B	4T+2P=6	4+1=5
SECOND YEAR SEMESTER - III				
BS 301	SEC-1: Nursery and Gardening	SEC-1	2	2
BS 302	SEC-2: Biofertilizers and Organic Farming	SEC-2	2	2
BS 304	PAPER-III: Plant Anatomy and Embryology	DSC-1C	4T+2P=6	4+1=5
SECOND YEAR SEMESTER - IV				
BS 401	SEC-3: Greenhouse Technology	SEC-3	2	2
BS 402	SEC-4: Mushroom Culture Technology	SEC-4	2	2
BS 404	PAPER-IV : Cell Biology, Genetics & Plant Physiology	DSC-1D	4T+2P=6	4+1=5
THIRD YEAR SEMESTER - V				
BS 501	GE-1: Industrial Microbiology	GE-1	4T	4
BS 502	DSE -1A: Biodiversity & Conservation DSE -1B: Economic Botany DSE -1C: Seed Technology	DSE-1A / DSE-1B / DSE-1C	4+2	4+1
THIRD YEAR SEMESTER - VI				
BS 601	DSE-3: Project	PROJECT	4	4
BS 602	DSE -2A: Plant Molecular Biology DSE -2B: Tissue Culture and Biotechnology DSE -2C: Analytical Techniques in Plant Sciences	DSE-2A / DSE-2B / DSE-2C	4T+2P=6	4+1=5

AECC: Ability Enhancement Compulsory Course, SEC: Skill Enhancement Course, GE: Generic Elective, DSC: Discipline Specific Core, DSE: Discipline Specific Elective

CHAIRMAN
BOS IN BOTANY
Prof. (Mr.) Nirmala Devi
 DEPARTMENT OF BOTANY,
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Dr. J. S. Rao
Dr. S. S. Rao
Dr. S. S. Rao
Dr. S. S. Rao

M.Sc. Botany Marks Distribution

Semester-I

Paper	Title	Theory 4Hrs/Week	Practical 4Hrs/Week	Max.Marks Theory
I	Phycology and Mycology	4 Credits	2 credits	80 External +20Internal=100
II	Bryophyta and Pteridophyta	4 Credits	2 Credits	80+20=100
III	Taxonomy and Medicinal Botany	4 Credits	2 credits	80+20=100
IV	Plant BioChemistry	4Credits	2 credits	80+20=100
V	Communicative English & Soft Skills (Add on Paper)	2 Credits	-	50Marks. based on concept

Semester-II

Paper	Title	Theory 4Hrs/Week	Practical 4Hrs/Week	Max.Marks Theory
I	Applied Phycology and Mycology	4 Credits	2 credits	100
II	Gymnosperms and Embryology	4 Credits	2 credit s	100
III	Plant Anatomy and Palynology	4 Credits	2 credits	100
IV	Plant Physiology	4 Credits	2 credits	100
V	Human Values and Professional Ethics (Add on Paper)	2 credits.	-	50Marks. Based on Concept.

CBCS Practical exams 50 marks each, will be conducted at the end of each Semester for M.Sc.

Internal Asses.15 Marks +5 Marks Assignment for each Paper and 80 marks for Final Exam.

Semester III & IV marks distribution same as Semester I& II.

S. Nazimuddin Khan

[Signature]
CHAIRPERSON

[Signature]
Professor in Charge
Department of Botany
Osmania University
Hyderabad-500 007

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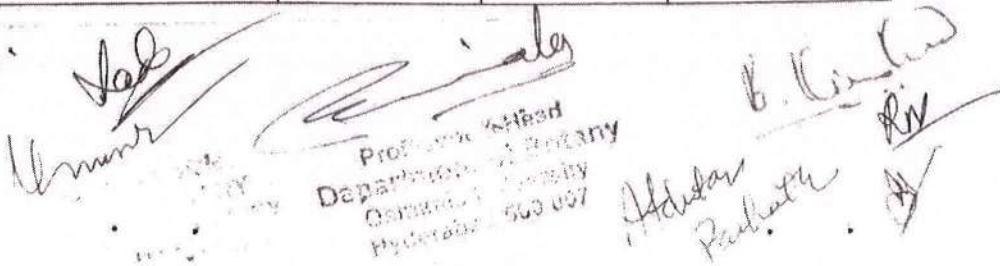
Semester III

Paper	Title	Theory 4Hrs/Week	Practical 4Hrs/Week	Max.Marks Theory
I	Cell Biology ,Genetics and Biostatistics	4 Credits	2 credits	100
II	Environmental Pollution and Protection	4 Credits	2 credits	100
III	Cytogenetics	4 Credits	2 credits	100
IV	Genetics	4 Credits	2 credits	100 + 50 Viva
V	IDE Course : Seed Technology	2 hrs.	2 credits	50Marks. Based on Concept.

Semester IV

Paper	Title	Theory 4Hrs/Week	Practical 4Hrs/Week	Max.Marks Theory
I	Ecology & Phytogeography	4 Credits	2 credits	100
II	Horticulture and Plant Breeding	4 Credits	2 credits	100
III	Molecular Genetics & Recombinant DNA Technology	4 Credits	2 credits	100
IV	Project Work	4 Credits	6 credits	100 Project Work+ 50 Presentation Viva
V	IDE Course : Polyhouse Technology	2 hrs.	2 credits	50Marks. Based on Concept.

Practicals : 50 Marks



 Professor & Head
 Department of Botany
 Government College
 Hyderabad - 503 007
 B. K. ...
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**DEPARTMENT OF BOTANY,
OSMANIA UNIVERSITY
M.Sc. BOTANY (CBCS)**
(Effective from Academic Year 2019-20)

Semester-I

Subject Code	Subject / Paper	Theory / Practical	Instruction Hrs /Week	Credits	Evaluation		Duration of External Examination
					Th./ Pr.	Internal		External
MBOT.CC.T.1.101	Phycology and Mycology	Theory (Paper-I)	4	4	20	80	3
MBOT.CC.T.1.102	Bryophyta & Pteridophyta	Theory (Paper-II)	4	4	20	80	3
MBOT.CC.T.1.103	Taxonomy of Angiosperms and Medicinal Botany	Theory (Paper-III)	4	4	20	80	3
MBOT.CC.T.1.104	Plant Biochemistry	Theory (Paper-IV)	4	4	20	80	3
MBOT.CC.P.1.105	Practical Lab - I	Practical (Paper-I)	4	2	-	50	4
MBOT.CC.P.1.106	Practical Lab - II	Practical (Paper-II)	4	2	-	50	4
MBOT.CC.P.1.107	Practical Lab-III	Practical (Paper-III)	4	2	-	50	4
MBOT.CC.P.1.108	Practical Lab-IV	Practical (Paper-IV)	4	2	-	50	4
			32	24	600		

Z. Nazimuddin Khan

Managing Director
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CHANDERSON
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OSMANIA UNIVERSITY
HYDERABAD-500 007.

[Signature]
Professor & Head
Department of Botany
Osmania University
Hyderabad-500 007

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Semester-II

2019-20

Subject Code	Subject / Paper	Theory / Practical	Instruction Hrs /Week	Credits	Evaluation		Duration of External Examination
					Internal	External	
MBOT.CC.T.1.201	Applied Phycology and Mycology	Theory (Paper-I)	4	4	20	80	3
MBOT.CC.T.1.202	Gymnosperms and Embryology	Theory (Paper-II)	4	4	20	80	3
MBOT.CC.T.1.203	Plant Anatomy and Palynology	Theory (Paper-III)	4	4	20	80	3
MBOT.CC.T.1.204	Plant Physiology	Theory (Paper-IV)	4	4	20	80	3
MBOT.CC.P.1.205	Practical Lab - I	Practical (Paper-I)	4	2	-	50	4
MBOT.CC.P.1.206	Practical Lab - II	Practical (Paper-II)	4	2	-	50	4
MBOT.CC.P.1.207	Practical Lab - III	Practical (Paper-III)	4	2	-	50	4
MBOT.CC.P.1.208	Practical Lab - IV	Practical (Paper-IV)	4	2	-	50	4
			32	24	600		

P. Nigam
 Managing Director
 IOTA LABORATORIES
 D.No: 11-3-744, Malloppally,
 Hyderabad-500 007.
 Phone: 91-40-23342774

K. Srinivas
 CRIP PROFESSOR
 B.O.S. BOTANY
 OSMANIA UNIVERSITY
 HYDERABAD-500 007.

K. Srinivas
 Professor & Head
 Department of Botany
 Osmania University
 Hyderabad-500 007

B. K. Srinivas

R. Srinivas

P. Srinivas

A. Srinivas

B. K. Srinivas

SEMESTER - III

Subject Code	Subject / Paper	Theory / Practical	Instruction Hrs /Week	Credits	Evaluation		Duration of External Examination
					Internal	External	
MBOT.CC.T.2.301	Cell Biology, Genetics and Biostatistics	Theory (Paper-I)	4	4	20	80	3
MBOT.CC.T.2.302	Environmental Pollution & Protection	Theory (Paper-II)	4	4	20	80	3
MBOT.EC.T.2.303	Specialization - (A/B/C/D/E)	Theory (Paper-III)	4	4	20	80	3
MBOT.EC.T.2.304	Specialization - (A/B/C/D/E)	Theory (Paper-IV)	4	4	20	80	3
MBOT.CC.P.2.305	Practical Lab - I	Practical (Paper-I)	4	2	-	50	4
MBOT.CC.P.2.306	Practical Lab - II	Practical (Paper-II)	4	2	-	50	4
MBOT.EC.P.2.307	Practical Lab - III	Practical (Paper-III)	4	2	-	50	4
MBOT.EC.P.2.308	Practical Lab - IV	Practical (Paper-IV)	4	2	-	50	4
			32	24	600		

M. Nazimuddin Khan
 Managing Director
IOTA LABORATORIES
 D No: 11-3-744, Mallepally,
 Hyderabad-500 001.
 Phone: 91-40-23342774

[Signature]
 PROFESSOR
 B.C.S. IN BOTANY
OSMANIA UNIVERSITY
 HYDERABAD - 500 007.

[Signature]
 Professor & Head
 Department of Botany
 Osmania University
 Hyderabad - 500 007

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ANWARUL ULOOM COLLEGE
(AUTONOMOUS)
M.Sc. BIOTECHNOLOGY SYLLABUS (2019 – 2020)
CHOICE BASED CREDIT SYSTEM (CBCS)

SEMESTER – I						
Syllabus Ref No	Subject	Credits	Teaching Hours	Mark		
				Internal Assessment	Semester Exam	Total
THEORY						
BT 101 T	Cell Biology and Genetics					
BT 102 T	Biological chemistry	4	4			
BT 103 T	Microbiology	4	4	20	80	100
BT 104 T	Statistics, laboratory management & safety, entrepreneurship	4	4	20	80	100
		4	4	20	80	100
PRACTICALS						
BT 151 P	Cell Biology and Genetics					
BT 152 P	Biological chemistry	2	4			
BT 153 P	Microbiology	2	4		50	50
BT 154 P	Statistics, LM&S, & E.	2	4		50	50
	Total	24	32	80	520	600

SEMESTER – II						
Syllabus Ref No	Subject	Credits	Teaching Hours	Marks		
				Internal Assessment	Semester Exam	Total
THEORY						
BT 201 T	Molecular Biology- The Genome	4	4	20	80	100
BT 202 T	Molecular Biology- Genes to Proteins	4	4	20	80	100
BT 203 T	Immunology	4	4	20	80	100
BT 204 T	Microbial technology	4	4	20	80	100
PRACTICALS						
BT 251 P	Molecular Biology- The Genome	2	4		50	50
BT 252 P	Molecular Biology- Genes to Proteins	2	4		50	50
BT 253 P	Immunology	2	4		50	50
BT 254 P	Microbial technology	2	4		50	50
	Total	24	32	80	520	600

T- Theory, P-Practical

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Dr. H. Surekha Rani
Assistant Professor
Chairperson - BOS in Genetic
Department of Genetic &
Molecular Biology

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**ANWARUL ULOOM COLLEGE
(AUTONOMOUS)
M.Sc. BIOTECHNOLOGY SYLLABUS (2019 - 2020)
CHOICE BASED CREDIT SYSTEM (CBCS)
SEMESTER - III**

Syllabus Ref No	Subject	Credits	Teaching Hours	Marks		
				Internal Assessment	Semester Exam	Total
THEORY						
BT 301 T	Recombinant DNA technology	4	4			
BT 302 T	Bioinformatic & Its Applications	4	4	20	80	100
BT 303 T	Elective: A. Advance in plant Biotechnology (or) B. Food Biotechnology	4	4	20	80	100
BT 304 T	Elective: A. Animal Biotechnology (or) B. Protein Engineering	4	4	20	80	100
PRACTICALS						
BT 351 P	Recombinant DNA technology	2	4		50	50
BT 352 P	Bioinformatic & Its Applications	2	4		50	50
BT 353 P	Elective: A. Advance in plant Biotechnology (or) B. Food Biotechnology	2	4		50	50
BT 354 P	Elective: A. Animal Biotechnology (or) B. Protein Engineering	2	4		50	50
Total		24	32	80	520	600

SEMESTER - IV

Syllabus Ref No	Subject	Credits	Teaching Hours	Marks		
				Internal Assessment	Semester Exam	Total
THEORY						
BT 401 T	Bioprocess Engineering	4	4	20	80	100
BT 402 T	Medical Biotechnology	4	4	20	80	100
BT 403 T	Elective: A. Environmental Biotechnology B. Biopharmacology	4	4	20	80	100
BT 404 T	Project Work	6				150
PRACTICALS						
BT 451 P	Bioprocess Engineering	2	4		50	50
BT 452 P	Medical Biotechnology	2	4		50	50
BT 453 P	Elective: A. Environmental Biotechnology B. Biopharmacology	2	4		50	50
Total		24	24	60	390	600
Grandtotal						

T-Theory, P-Practical

Dr. H. Surekha Rani
Assistant Professor
BOS in Genetics
Genetics
Anwarul Uloom College
Anwarul Uloom

8/14
A.M.S.



COLLEGE (AUTONOMOUS)
B.Sc. Biotechnology

Course/Paper	Teaching Hours/week	No. of Credits
I Paper - I (Theory) - Genetics	4hr	4
Paper - I (Practical)	2hr	1
AECC - I Env Studies	2hr	2
II Paper - II (Theory) - Nucleic Acids & Biochemistry	4hr	4
Paper - II (Practical)	2hr	1
AECC - II Basic Chem	2hr	2
III Paper - III (Theory) - Biological chemistry	4hr	4
Paper - III (Practical)	2hr	1
SBC - I Enzyme Technology	2hr	1
IV Paper - IV (Theory) - Microbiology & Immunology	4hr	4
Paper - IV (Practical)	2hr	1
SBC - II Immuno Technology	2hr	1
V Paper - V A (Theory) - Molecular Biology	4hr	4
Paper - V A (Practical)	2hr	1
Paper - V B (Theory) - r-DNA Technology	4hr	4
Paper - V B (Practical)	2hr	1
Add On	2hr	1
Advances in Biotechnology	2hr	1
VI Paper - VI A (Theory) - Microbial Technology (A)	4hr	4
Paper - VI A (Practical)	2hr	1
Paper - VI B (Theory) - Microbial Technology (B)	4hr	4
Paper - VI B (Practical)	2hr	1
IDE Environmental Biotech	2hr	1
PROJECT		4

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8/14

[Signature]
Dr. H. Surekha Rani
Assistant Professor
Department of Genetics
University, Hyderabad-07

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13/4/19

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Anwarul Uloom College (Autonomous)

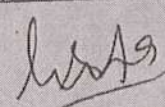
New Mallepally, Hyderabad
Affiliated to Osmania University
(Re-Accredited with NAAC with A - Grade)



Faculty of Science
Department of Chemistry
B. Sc. (M.P.C., B.Z.C., B.M.C., N. Z. C.)
Course Structure in Part - II (2019 - 20)

S. No.	Year	Sem.	Paper / Title	Teaching Hours / Week	Units	Credits	Marks		
							Internal Assessment	End Semester	Total
1	1st Year	I	(6109 T) Chem. - I (Theory)	4	4	4	15	35	50
2			(6109 P) Chem. - I (Prac.)	2	—	1	—	25	25
3			Environmental Science (AECC-I)	2	—	2	—	50	50
4	1st Year	II	(6209 T) Chem. - II (Theory)	4	4	4	15	35	50
5			(6209 P) Chem. - II (Prac.)	2	—	1	—	25	25
6			Basic Computer Skills (AECC-II)	2	—	2	—	50	50
7	2nd Year	III	(6309 T) Chem. - III (Theory)	4	4	4	15	35	50
8			(6309 P) Chem. - III (Prac.)	2	—	1	—	25	25
9			Soaps & Detergents - (SECC - I)	2	—	2	—	50	50
10	2nd Year	IV	(6409 T) Chem. - IV (Theory)	4	4	4	15	35	50
11			(6409 P) Chem. - IV (Prac.)	2	—	1	—	25	25
12			(16409) Industrial Chemistry - (SECC - II)	2	—	2	—	50	50
13	3rd Year	V	(6509 A) Chem. V A (Compulsory) - Theory	4	4	4	15	35	50
14			(6509 A) Chem. V A (Compulsory) - Practical	2	—	1	—	25	25
15			i) (6509 B) Instrumental Methods of Analysis. V B (Elective) - Theory	4	4	4	15	35	50
			ii) (6509 B) Industrial Chemistry & Catalysis. V B (Elective) - Theory						
16			(6509 B) Chemistry V B (Elective) - Practical	2	—	1	—	25	25
17			A6509 Water Technology (Add - on Course)	1	—	2	—	25	25
18	3rd Year	VI	(6609 A) Chem. VI A (Compulsory) - Theory	4	4	4	15	35	50
19			(6609 A) Chem. VI A (Compulsory) - Practical	2	—	1	—	25	25
20			i) (6609 B) Medicinal Chemistry - VI B (Elective) - Theory	4	4	4	15	35	50
			ii) (6609 B) Agricultural & Fuel Chemistry - VI B (Elective) - Theory						
21			(6609 B) Chem. VI B (Elective) - Practical.	2	—	1	—	25	25
22			A6609 Fuel Chemistry (I D E Course)	1	—	2	—	25	25

AECC - Ability Enhancement Compulsory Course
SECC - Skill Enhancement Compulsory Course
I D E - Inter Disciplinary Course


Head of the Department



Anwarul Uloom College (Autonomous)

New Mallepally, Hyderabad
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Department of Chemistry
M. Sc. (Chemistry) First Year
Paper Titles & Marks Details
(2019 - 20)
(Course Structure & Scheme of Examinations)

S. No.	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
						Max.	Min.			
M. Sc. Ist Year, I - Semester (CBCS)										
1	I	511 T	Inorganic Chemistry Theory	4 Hrs	20	80	32	100	4	3 Hrs
		511 P	Inorganic Chemistry Practical	6 Hrs	—	50	25	75	3	3 Hrs
2	II	512 T	Organic Chemistry Theory	4 Hrs	20	80	32	100	4	3 Hrs
		512 P	Organic Chemistry Practical	6 Hrs	—	50	25	75	3	3 Hrs
3	III	513 T	Physical Chemistry Theory	4 Hrs	20	80	32	100	4	3 Hrs
		513 P	Physical Chemistry Practical	6 Hrs	—	50	25	75	3	3 Hrs
4	IV	514 T	Analytical Techniques & Spectroscopy - I Theory	4 Hrs	20	80	32	100	4	3 Hrs
5		116	Add On: Communicative English & Soft Skills	2 Hrs	—	50	—	50	2	2 Hrs
			Total	36 Hrs				675	27	
M. Sc. Ist Year, II - Semester (CBCS)										
1	I	521 T	Inorganic Chemistry Theory	4 Hrs	20	80	32	100	4	3 Hrs
		521 P	Inorganic Chemistry Practical	6 Hrs	—	50	25	75	3	3 Hrs
2	II	522 T	Organic Chemistry Theory	4 Hrs	20	80	32	100	4	3 Hrs
		522 P	Organic Chemistry Practical	6 Hrs	—	50	25	75	3	3 Hrs
3	III	523 T	Physical Chemistry Theory	4 Hrs	20	80	32	100	4	3 Hrs
		523 P	Physical Chemistry Practical	6 Hrs	—	50	25	75	3	3 Hrs
4	IV	524 T	Analytical Techniques & Spectroscopy - II Theory	4 Hrs	20	80	32	100	4	3 Hrs
5		116	Add On: Human values & Professional Ethics	2 Hrs	—	50	—	50	2	2 Hrs
			Total	36 Hrs				675	27	

Head of the Department

- Note: 1) For each paper there will be Semester Examination for 80 Marks and 20 Marks for Internal Assessment
2) 15 Marks for Internal Assessment and 5 Marks for Assignment in the subject, average of two shall be considered for the award of the Marks.
3) Add - on and I D E Courses marks and credits are not considered for Aggregate of Marks and Aggregate of total credits and for award of Division

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Anwarul Uloom College (Autonomous)

New Mallepally, Hyderabad
Affiliated to Osmania University
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Department of Chemistry

M. Sc. (Chemistry) Final Year

Paper Titles & Marks Details (2019 - 20)

(Course Structure & Scheme of Examinations)

S. No.	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
						Max.	Min.			
M. Sc. 2nd Year, III – Semester (CBCS)										
1	I	531 T	Synthetic Reagents, Conformational Analysis and O R D Theory	4 Hrs	20	80	32	100	4	3 Hrs
		531 P	Synthesis of Organic Molecules, Isolation of Natural Products and T L C Practical	6 Hrs	—	50	25	50	3	3 Hrs
2	II	532 T	Modern Organic Synthesis Theory	4 Hrs	20	80	32	100	4	3 Hrs
		532 P	Synthesis and Analysis of Drugs and Column Chromatography Practical	6 Hrs	—	50	25	50	3	3 Hrs
3	III	533 T	Bio-Organic Chemistry Theory	4 Hrs	20	80	32	100	4	3 Hrs
4	IV	534 T	Green Chemistry and Organic Materials Theory	4 Hrs	20	80	32	100	4	3 Hrs
5		136	I D E: Biotechnology & Healthcare	2 Hrs	—	50	—	50	2	2 Hrs
			Seminar	2 Hrs	—	25	—	25	1	—
			Total	32 Hrs				575	25	
M. Sc. 2nd Year, IV – Semester (CBCS)										
1	I	541 T	Drug Design & Drug Discovery Theory	4 Hrs	20	80	32	100	4	3 Hrs
		541 P	Spectroscopic Identification of Organic Compounds and Practical of Chemistry Software Programmes Practical	6 Hrs	—	100	50	100	4	3 Hrs
2	II	542 T	Drug Synthesis & Mechanism of action Theory	4 Hrs	20	80	32	100	4	3 Hrs
3	III	543 T	Advanced Heterocyclic Chemistry	4 Hrs	20	80	32	100	4	3 Hrs
4	IV	544 T	Advanced Natural Product	4 Hrs	20	80	32	100	4	3 Hrs
			Seminar	2 Hrs	—	25	—	25	1	—
			Project Work					100	4	
5		146	I D E: Food Microbiology	2 Hrs	—	50	—	50	2	2 Hrs
			Total	24 Hrs				675	27	

Head of the Department

Total Credits: 100 & Total Marks: 2,600

- Note: 1) For each paper there will be Semester Examination for 80 Marks and 20 Marks for Internal Assessment
2) 15 Marks for Internal Assessment and 5 Marks for Assignment in the subject, average of two shall be considered for the award of the Marks.
3) Add – on and I D E Courses marks and credits are not considered for Aggregate of Marks and Aggregate of total credits and for award of Division

ANWAR UL ULOOM COLLEGE

(An Autonomous Muslim Minority Institution, Affiliated to Osmania University)
New Mallapally, Hyderabad-1

DEPARTMENT OF COMPUTER SCIENCE

STRUCTURE OF MODEL CURRICULUM FOR B.Sc. I, II & III YEAR (CBCS)

Class	Semester	Course/Paper	Code No	Teaching Hours Per week	No of Credits
B.Sc. First Year (w.e.f. 2018-19)	I	Paper - I (Theory)	6110	4 hrs	4
		Programming in C	6110P	2 hrs	1
		Paper - I (C-LAB) AECC-I Environmental Studies	A6110	2 hrs	2
	II	Paper - II (Theory)	6210	4 hrs	4
		Programming in C++	6210P	2 hrs	1
		Paper -II (C++-LAB) AECC-II Gender Sensitization	A6210	2 hrs	2
B.Sc. Second Year (w.e.f. 2019 -20)	III	Paper -III (Theory)	6310	4 hrs	4
		Data Structures	6310P	2 hrs	1
		Paper -III(DS-LAB) SEC-I BOOLEAN ALGEBRA	A6310	2hrs	2
	IV	Paper -IV (Theory)	6410	4 hrs	4
		DBMS	6410P	2 hrs	1
		Paper -IV(DBMS- LAB) SEC-II DIGITAL LOGIC	I6410	2 hrs	2
B.Sc. Third Year (w.e.f. 2020-21)	V	Paper -V A-(Theory)	6510	4hrs	4
		Programming in Java	6510P	2 hrs	1
		Paper -VA(Java-LAB)	6511	4 hrs	4
		Paper -VB -(Theory)	6511P	2 hrs	1
		Operating System	A6512	2 hrs	2
	VI	Paper -VB(OS-LAB) SEC-III Software Engineering GE-I INFORMATION TECHNOLOGY	A6512	2 hrs	2
		Paper -VI-A Web Tech.	6610	4hrs	4
		Paper -VI-A (Web-LAB)	6610P	2 hrs	1
		Paper -VI-B Comp Net.	6611	4 hrs	4
		Paper -VI B(CN-LAB) SEC-IV: PYTHON GE-II BASIC WEB DESIGNING	6611P A6612 I6613	2 hrs 2 hrs 2 hrs	1 2 2

HEAD
Dept. of Computer Scie
A.U. College Malapally,

DEAN
School of Computer Science & IT
Maulana Azad National Urdu University
Gachibowli, Hyderabad - 500 032.

Associate Professor
Dept of Maths O.U



Anwarul Uloom College (Autonomous)

New Mallepally, Hyderabad
Affiliated to Osmania University
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Department of Comp. Sci. & Engineering Paper Titles & Marks Details (Course Structure & Scheme of Examinations)

S. No.	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
						Max.	Min.			
B. Sc. (CSE) Ist Year, I - Semester (CBCS)										
Theory										
1	I	0106	English	4 Hrs	15	35	14	50	4	2 Hrs
2	II	7141	Mathematics - I	4 Hrs	15	35	14	50	4	2 Hrs
3	III	7142	Electrical Circuits & Machines	4 Hrs	15	35	14	50	4	2 Hrs
4	IV	7143	Introduction to Information Technology	4 Hrs	15	35	14	50	4	2 Hrs
5	V	7144	Programming in C	4 Hrs	15	35	14	50	4	2 Hrs
6	VI	A7145	AECC-I: Environmental Studies	2 Hrs	—	50	20	50	2	2 Hrs
Practicals										
7	VII	7142P	E C M Lab	2 Hrs	—	25	13	25	1	2 Hrs
8	VIII	7143P	I I T Lab	2 Hrs	—	25	13	25	1	2 Hrs
9	IX	7144P	C Lab	2 Hrs	—	25	13	25	1	2 Hrs
			Total	28 Hrs				375	25	
B. Sc. (CSE) Ist Year, II - Semester (CBCS)										
Theory										
1	I	0206	English	4 Hrs	15	35	14	50	4	2 Hrs
2	II	7246	Mathematics - II	4 Hrs	15	35	14	50	4	2 Hrs
3	III	7247	Physics	4 Hrs	15	35	14	50	4	2 Hrs
4	IV	7248	Electronic Devices & Circuits	4 Hrs	15	35	14	50	4	2 Hrs
5	V	7249	Programming in Unix	4 Hrs	15	35	14	50	4	2 Hrs
6	VI	A7250	AECC-II: Basic Computer Skills	2 Hrs	—	50	20	50	2	2 Hrs
Practicals										
7	VII	7247P	Physics Lab	2 Hrs	—	25	13	25	1	2 Hrs
8	VIII	7248P	E D C Lab	2 Hrs	—	25	13	25	1	2 Hrs
9	IX	7249P	Unix Lab	2 Hrs	—	25	13	25	1	2 Hrs
			Total	28 Hrs				375	25	

AECC - Ability Enhancement Compulsory Course

Head of the Department

HEAD

Dept. of Computer Science & Engg
A.U. College Mallepally, Hyd-1. A.P.



Anwarul Uloom College (Autonomous)

New Mallepally, Hyderabad
Affiliated to Osmania University
(Re-Accredited by NAAC with 'A' Grade)



Department of Comp. Sci. & Engineering Paper Titles & Marks Details (Course Structure & Scheme of Examinations)

S. No.	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
						Max.	Min.			
B. Sc. (CSE) 2nd Year, III – Semester (CBCS)										
Theory										
1	I	0306	English	4 Hrs	15	35	14	50	4	2 Hrs
2	II	7351	Mathematics – III	4 Hrs	15	35	14	50	4	2 Hrs
3	III	7352	Digital Logical Design	4 Hrs	15	35	14	50	4	2 Hrs
4	IV	7353	Operating Systems	4 Hrs	15	35	14	50	4	2 Hrs
5	V	7354	OOPS through C++	4 Hrs	15	35	14	50	4	2 Hrs
6	VI	S7355	SECC-I: M-Commerce	2 Hrs	—	50	20	50	2	2 Hrs
Practicals										
7	VII	7352P	D.L.D Lab	2 Hrs	—	25	13	25	1	2 Hrs
8	VIII	7353P	O.S Lab.	2 Hrs	—	25	13	25	1	2 Hrs
9	IX	7354P	C++ Lab	2 Hrs	—	25	13	25	1	2 Hrs
Total				28 Hrs				375	25	
B. Sc. (CSE) 2nd Year, IV – Semester (CBCS)										
1	I	0406	English	4 Hrs	15	35	14	50	4	2 Hrs
2	II	7456	Probability & Statistics	4 Hrs	15	35	14	50	4	2 Hrs
3	III	7457	Microprocessor 8086 & Interfacing	4 Hrs	15	35	14	50	4	2 Hrs
4	IV	7458	Data Structures	4 Hrs	15	35	14	50	4	2 Hrs
5	V	7459	Java Programming	4 Hrs	15	35	14	50	4	2 Hrs
6	VI	S7460	SECC-II: Basics of Programming	2 Hrs	—	50	20	50	2	2 Hrs
Practicals										
7	VII	7457P	M P 8086 & Interfacing Lab	2 Hrs	—	25	13	25	1	2 Hrs
8	VIII	7458P	Data Structure Lab.	2 Hrs	—	25	13	25	1	2 Hrs
9	IX	7459P	Java Programming Lab	2 Hrs	—	25	13	25	1	2 Hrs
Total				28 Hrs				375	25	

SECC – Skill Enhancement Compulsory Course

Head of the Department

HEAD

Dept. of Computer Science & Engg
A.U. College Mallepally, Hyd-1, A.P.

VH - GRT
 SRCC - M
 VH GRT
 SEC - IV



Anwarul Uloom College (Autonomous)

New Mallepally, Hyderabad
 Affiliated to Osmania University
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Department of Comp. Sci. & Engineering Paper Titles & Marks Details (Course Structure & Scheme of Examinations)

S. No.	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
						Max.	Min.			
B. Sc. (CSE) 3rd Year, V - Semester (Non CBCS)										
Theory										
1	I	7561	Computer Network	6 Hrs	30	70	28	100	6	3 Hrs
2	II	7562	Compiler Construction	6 Hrs	30	70	28	100	6	3 Hrs
3	III	7563	Embedded Systems	6 Hrs	30	70	28	100	6	3 Hrs
4	IV	7564	Modern Data Base Management System	6 Hrs	30	70	28	100	6	3 Hrs
5	V	A7565	Add-on: Software Engineering ML	2 Hrs	15	35	14	50	1	2 Hrs
Practicals										
6	VI	7563P	Embedded Systems Lab	4 Hrs	—	50	25	75	2	3 Hrs
7	VII	7564P	M D B M S Lab	4 Hrs	—	50	25	75	2	3 Hrs
Total				34 Hrs				500	28	
B. Sc. (CSE) 3rd Year, VI - Semester (Non CBCS)										
1	I	7666	Network Security	6 Hrs	30	70	28	100	6	3 Hrs
2	II	7666	Web Programming	6 Hrs	30	70	28	100	6	3 Hrs
3	III	7667	Python Programming	6 Hrs	30	70	28	100	6	3 Hrs
4	IV	I7677	I D E: Basic Web Designing	4 Hrs	15	35	14	50	1	2 Hrs
Practicals										
4	V	7666P	Web Programming Lab	4 Hrs	—	50	25	50	2	3 Hrs
5	VI	7667P	Python Programming Lab	4 Hrs	—	50	25	50	2	3 Hrs
6	VII	7670	Project and Seminar	6 Hrs	20	100	50	100	6	3 Hrs
				34 Hrs				500	28	

I D E - Inter Disciplinary Course

Head of the Department

Dept. of Computer Science & Engg
 A.U. College Mallepally, Hyd-1, A.P.

5

ANWARUL- ULOOM COLLEGE (AUTONOMOUS)
 DEPARTMENT OF MATHEMATICS
 (Choice Based Credit System) (Academic year 2019-2020)
 B.Sc MATHEMATICS COURSE STRUCTURE

Year	Sem	Paper	Units	Teaching hours	No of Credits	Marks IA + sem exm
Ist	I 2019-20 Batch	Paper I (theory) Differential and Integral Calculus	5	5	5	15+35=50
		AEC-I: Environmental Studies	2	2	2	50
Ist	II 2019-20 Batch	Paper II (theory) Differential Equations	5	5	5	15 +35=50
		AEC-II: Basic Computer skills	2	2	2	50
IInd	III 2018-19 Batch	Paper III (theory) <i>Real Analysis</i>	4	4	4	15 +35=50
		<i>Paper III</i> (practicals)	2	2	1	25
		SECC-I <i>Graph theory</i>	2	2	1	50
IInd	IV 2018-19 Batch	Paper IV (theory) <i>Algebra</i>	4	4	4	15 +35=50
		<i>Paper IV</i> (practicals)	2	2	1	25
		SECC-II :Commercial Maths	2	2	1	50
IIIrd	V 2017-18 Batch	Paper Va (theory) <i>LINEAR ALG</i>	4	4	4	15 +35=50
		<i>Paper Va</i> (practicals)	2	2	1	25
		Paper Vb (theory) <i>Solid Geometry</i>	4	4	4	15 +35=50
		<i>Paper Vb</i> (practicals)	2	2	1	25
		Add On: <i>Prob. & Statistics</i>	2	2	1	15 +35=50
IIIrd	VI 2017-18 Batch	Paper VIa (theory) <i>Numerical Analysis</i>	4	4	4	15 +35=50
		<i>Paper VIa</i> (practicals)	2	2	1	25
		Paper VIb (theory) <i>Vector Calculus</i>	4	4	4	15 + 35=50
		<i>Paper VIb</i> (practicals)	2	2	1	25
		IDE:Optionls	2	2	1	15 +35=50
		1: Basic Mathematics II 2: Science & Civilization (Foundation course)	2	2	1	50

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Subjects	code	Paper	Hours / Week	Theory	IA+Sem Exam	Credits
Core	AM 101	Abstract Algebra	4	4	20+80	4
Core	AM 102	Mathematical Analysis	4	4	20+80	4
Core	AM 103	Ordinary and Partial Differential Equations	4	4	20+80	4
Core	AM 104	Mechanics	4	4	20+80	4
Core	AM 105	Integral Transform	4	4	20+80	4
		Seminar	2	2	25	1
	Add-On	Communicative English & Soft Skills	2	2	50	2
	Total				575	23

Semester II

Subjects	code	Paper	Hours / Week	Theory	IA+Sem Exam	Credits
Core	AM 201	Galois Theory	4	4	20+80	4
Core	AM 202	Lebesgue measure & Integration	4	4	20+80	4
Core	AM 203	Complex Analysis	4	4	20+80	4
Core	AM 204	Fluid Mechanics	4	4	20+80	4
Core	AM 205	Theory of Ordinary Differential Equations	4	4	20+80	4
		Seminar	2	1	25	1
	Add-On	Human Values & Professional Ethics	2	2	50	2
	Total				575	23

T*- Tutorial Class for problem Solving with No Credit.

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ANWARUL- ULOOM COLLEGE (AUTONOMOUS)

New Mallepally, Hyderabad

63

DEPARTMENT OF MATHEMATICS

(Choice Based Credit System)

(Academic year 2019 – 20)

M.Sc APPLIED MATHEMATICS

Semester III

Subjects	code	Paper	Hour s/ Wee k	Theor y	T*	IA+Sem Exam	Cred its
Core	AM 301	Finite difference Method	6	5	1	20+80	5
Core	AM 302	Viscous flows	6	5	1	20+80	5
Core	AM 303	Linear Algebra	6	5	1	20+80	5
Elective	AM 304(A)	Operations Research	6	5	1	20+80	5
	AM 304(B)	Compressible flows					
	AM 304(C)	Computational Fluid Dynamics					
Elective	AM 305(A)	Elementary Number Theory	5	4	1	20+80	4
	AM 305(B)	Numerical Analysis					
	AM 305(C)	Topology					
		Seminar	2	2		25	1
	IDE	Basic Mathematics	2	2		50	2
	Total		31			575	27

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ANWARUL- ULOOM COLLEGE (AUTONOMOUS)
 New Mallepally, Hyderabad
DEPARTMENT OF MATHEMATICS
 (Choice Based Credit System) (Academic year 2019 – 20)
M.Sc APPLIED MATHEMATICS
Semester IV

Subjects	code	Paper	Hour s/ Wee k	Theor y	T*	IA+Sem Exam	Cred its
Core	AM 401	Integral Equation & Calculus of variation	6	5	1	20+80	5
Core	AM 402	Finite Element Methods	6	5	1	20+80	5
Core	AM 403	Functional Analysis	6	5	1	20+80	5
Elective	AM 404(A)	Magnetohydrodyna mics	6	5	1	20+80	5
	AM 404(B)	Bio-Mechanics					
	AM 404(C)	Differential Geometry					
Elective	AM 405(A)	Discrete Mathematics	5	4	1	20+80	4
	AM 405(B)	Advance Operations Research					
	AM 405(C)	Advance Complex Analysis					
		Seminar	2	2		25	1
	IDE	Basics Mathematics-II	2	2		50	2
	Total		31			575	27

T*- Tutorial Class for problem Solving with No Credit.

Mally

B.Sc.(Biotechnology, Microbiology & Chemistry)
Subject: MICROBIOLOGY (2019-20)

Semester	Course/paper	Code No	Teaching Hours/week	No of credits
I	Paper-I(Theory) General microbiology-I	6115	4hrs	4
	paper-I(prac.) AECC-I Environmental studies	6115p	2hrs	1
		A6115	2hrs	2
II	Paper II(theory) General Microbiology- II Paper-II(prac.) AECC-II Gendersensitization	6215	4hrs	4
		6215p	2hrs	1
		A6215	2hrs	2
III	Paper III(Theory) Microbial physiology & Enzymology paper- III(prac.) Add-on Heamatology	6315	4hrs	4
		6315p	2hrs	1
		A6315	2hrs	2
IV	paper-IV(Theory) microbial genetics & molecular biology paper- IV (prac.) IDE Food adulteration	6415	4hrs	4
		6415p	2hrs	1
		I6415	2hrs	2
V	Paper-VA(Theory) Applied Microbiology-A Paper-VA (Prac.) Paper-VB (Theory) Applied Microbiology-B Paper-VB (Prac.) Add-on MushroomCultivation	6515A	4hrs	4
		6515A(Prac.)	2hrs	1
		6515B	4hrs	4
		6515B(Prac.)	2hrs	1
		A6515	2hrs	2
VI	Paper-VI A(Theory) Medical microbiology-A Paper-VIA (Prac.) Paper-VIB(Theory) Immunology-B Paper-VIB (Prac.) IDE HospitalManagement	6615A	4hrs	4
		6615A(Prac.)	2hrs	1
		6615B	4hrs	4
		6615B(Prac.)	2hrs	1
		I6615	2hrs	2

K. B. [Signature]
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HEAD
Department of Microbiology
Osmania University
V. S. [Signature]



Anwarul Uloom College (Autonomous)

New Malleshpally, Hyderabad
Affiliated to Osmania University

(Re-Accredited with NAAC with A – Grade)



Faculty of Science

Department of Nutrition & Dietetics

B. Sc. (N. Z. C.)

Course Structure (2019 – 20)

S. No.	Year	Sem.	Paper / Title	Teaching Hours / Week	Units	Credits	M a r k s		
							Internal Assessment	End Semester	Total
1	1 st Year	I	Nutritional Biochemistry - Theory	4	4	4	15	35	50
2			Nutritional Biochemistry - Practicals	2	—	1	—	25	25
3			Environmental (AECC-I)	2	—	2	—	50	50
4	1 st Year	II	Nutrition through Life Cycle - Theory	4	4	4	15	35	50
5			Nutrition through Life Cycle - Practicals	2	—	1	—	25	25
6			Basic Computer Skills (AECC-II)	2	—	2	—	50	50
7	2 nd Year	III	Introduction to Food Technology - Theory	4	4	4	15	35	50
8			Introduction to Food Technology - Practical	2	—	1	—	25	25
9			Food Preservation - (SECC - I)	2	—	2	—	50	50
10	2 nd Year	IV	Food Science - Theory	4	4	4	15	35	60
11			Food Science - Practical	2	—	1	—	25	25
12			Food Safety - (SECC - II)	2	—	2	—	50	50

Head & Chairman

Board of Studies
Department of Nutrition & Dietetics
Anwarul-Uloom College
New Malleshpally, Hyderabad-500001, T.S.

13			Diet Therapy - I V A - Theory	4	4	4	15	35	50
14			Diet Therapy - I V A - Practical	2	—	1	—	25	25
15	3 rd Year	V	Community Nutrition V B - Theory	4	4	4	15	35	50
16			Community Nutrition V B - Practical	2	—	1	—	25	25
17			Patient Counseling Add - on Skill,	21	—	1	15	35	50
18			Diet Therapy - II V I A - Theory	4	4	4	15	35	50
19			Diet Therapy - II V I A - Practical	2	—	1	—	25	25
20	3 rd Year	VI	Maternal & Child Nutrition VI B - Theory	4	4	4	15	35	50
21			Maternal & Child Nutrition VI B - Practical	2	—	1	—	25	25
22			Fundamentals of Food & V Nutrition / (— — — — — (I D E Course)	1	—	1	15	35	50

AECC - Ability Enhancement Compulsory Course
 SECC - Skill Enhancement Compulsory Course
 I D E - Inter Disciplinary Course

Head of the Department

Head & Chairman
 Board of Studies
 Department of Nutrition & Dietetics
 Anwarul-Uloom College
 New Malapally, Hyderabad-500001, T.S.

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M.Sc. (Nutrition and Dietetics)
Choice Based Credit system (CBCS)
Syllabus

COURSE OUTLINE AND SCHEME OF EXAMINATION

FIRST SEMESTER

Paper No.	Title	Instructions Hrs/ Week	Duration of Examination	Credits	Maximum Marks
Theory ND 101 (CORE)	Human Nutrition	4	3	4	100 (80+20)
(CORE) ND 102	Nutritional Biochemistry-I	4	3	4	100 (80+20)
(CORE) ND 103	Human Physiology	4	3	4	100 (80+20)
(CORE) ND 104	Principles of Dietetics	4	3	4	100 (80+20)
(CORE) ND 105 P	Human Nutrition	4	2	2	50
ND 106 P	Nutritional Biochemistry-I	4	2	2	50
ND 107 P	Human Physiology	4	2	2	50
ND 108 P	Principles of Dietetics	4	2	2	50
Total		16 T + 16P		24	600 (T+P)

SECOND SEMESTER

Paper No.	Title	Instructions Hrs/ Week	Duration of Examination	Credits	Maximum Marks
Theory ND 101 (CORE)	Principles of Foods	4	3	4	100 (80+20)
(CORE) ND 102	Nutritional Biochemistry II	4	3	4	100 (80+20)
(CORE) ND 103	Research Methodology	4	3	4	100 (80+20)
(CORE) ND 104	Dietary Disease	4	3	4	100 (80+20)
(CORE) ND 105 P	Principles of Foods	4	2	2	50
ND 106 P	Nutritional Biochemistry II	4	2	2	50
ND 107 P	Research Methodology	4	2	2	50
ND 108 P	Dietary Disease	4	2	2	50
Total		16 T + 16P		24	600 (T+P)

M.S. Reddy
 Dr. M.S. RADHIKA
 Scientist
 Head
 Department of Biochemistry
 University College of Sciences
 Osmania University
 Hyderabad-500007

THIRD SEMESTER

Sl. No.	Title	Instructor Hrs/Week	Duration of Examination	Credits	Maximum Marks
301 T	Community Nutrition	4	3	4	100 (80+20)
302 T	Food Microbiology	4	3	4	100 (80+20)
303 T	i) Food Service Management	4	3	4	100 (80+20)
304 T	ii) Institutional Food Management	4	3	4	100 (80+20)
305 P	Food Hygiene and sanitation	4	2	2	50
306 P	Community Nutrition	4	2	2	50
307 P	Food Microbiology	4	2	2	50
308 P	i) Food Service Management	4	2	2	50
309 P	ii) Institutional Food Management	4	2	2	50
Total		32		24	600 (T+P)

FOURTH SEMESTER

Sl. No.	Title	Instructor Hrs/Week	Duration of Examination	Credits	Maximum Marks
401 T	Advanced Nutrition	4	3	4	100 (80+20)
402 T	Paediatric Nutrition	4	3	4	100 (80+20)
403 T	i) Nutraceuticals and Functional foods	4	3	4	100 (80+20)

Dr. M.S. RADHIKA
Scientist

HEAD
Department of Biochemistry
Gemana University

POOL)	ii) Geriatric Nutrition and Immunology				
ND 404 T (ELECTIVE POOL)	i) Diet and Psychology Counselling skills	4	3	4	100 (80+20)
	ii) Nutrition for Fitness and Sports				
	iii) Maternal and Child Nutrition				
Practical	Hospital Internship in Nutrition and Dietetics	4	2	2	50
ND 405 P	Internship-case studies presentation	4	2	2	50
ND 406 P	Project Work - Collection of Data	4	2	2	50
ND 407 P	Project Work- Report Writing and Presentation of Project Seminar	4	2	2	50
ND 408 P	Total Marks	32		24	600
Grand Total Marks of all the Four Semesters = 600+600+600+600=2400					Theory Practical +

ANWARUL

Signature
Dr. P. Ashlesha

Former Head of the Institution
 DEPT. OF NUTRITION
 O.S.U. COLLEGE, KADAPPAH, HYD.

HEAD
 Department of Biochemistry
 University College of Science
 Osmania University

Signature
Dr. M.S. RADHIKA
 Scientist

NATIONAL INSTITUTE OF NUTRITION
 Jamal Osmania, Hyderabad-17.

Signature

2019 - 2020

ANWAR UL ULOOM COLLEGE(An Autonomous Muslim Minority Institution, Affiliated to Osmania University)
New Mallapally, Hyderabad-1**DEPARTMENT OF ELECTRONICS****STRUCTURE OF MODEL CURRICULUM FOR B.Sc. I, II & III YEAR****EFFECTIVE FROM THE ACADEMIC YEAR 2015-16 ON WARDS****AS PER THE CHOICE BASED CREDIT SYSTEM (CBCS)**

Class	Semester	Course/Paper	Code No	Teaching Hours Per week	No of Credits
1st Year	I	Paper - I (Theory) Circuit Analysis	6112	4 hrs	4
		Paper - I (CA-LAB)	6112P	2 hrs	1
		AECC-I Environmental Studies	A6112	2 hrs	2
	II	Paper - II (Theory) Electronic Devices	6212	4 hrs	4
		Paper -II (ED-LAB)	6212P	2 hrs	1
		AECC-II Basic Computer Skills	A6212	2 hrs	2
2nd Year	III	Paper -III (Theory) Power Supplies & Analog Circuits	6312	4 hrs	4
		Paper -III(PS & AC-LAB)	6312P	2 hrs	1
		Add-on (SEC) Digital Signal Processing	A6312	2hrs	1
	IV	Paper -IV (Theory) Applications of operational Amplifier and Communication	6412	4 hrs	4
		Paper -V(DS- LAB)	6412P	2 hrs	1
		SEC-II Modern Communication system	I6412	2 hrs	1
3rd Year	V	Paper -V A-Digital Electronics	6512	4 hrs	4
		Paper -VA(DE-LAB)	6512P	2 hrs	1
		Paper -VB- Microprocessor 8085	6513	4 hrs	4
		Paper -VB(MP-LAB)	6513P	2 hrs	1
		Add-on (SEC) PIC & ATMEL Microcontrollers	A6512	2 hrs	1

2019-2020

		Paper -VI-A Fundamental of Embedded Systems	6612	4 hrs	4
		Paper -VI-A (ES-LAB)	6612P	2 hrs	2
		Paper -VI-B Microcontroller-8051	6613	4 hrs	4
		Paper -VI B(MP 8051- LAB) IDE	6613P	2 hrs	2
		Microprocessor and Microcontroller	16612	2 hrs	1
	VI				



Anwarul Uloom College (Autonomous)

New Mallepally, Hyderabad
Affiliated to Osmania University
(Re-Accredited with NAAC with A - Grade)



Faculty of Science Department of Electronics B. Sc. (M P E, M E C s) Course Structure in Part - II (2019 - 20)

S. No.	Year	Sem.	Paper / Title	Teaching Hours / Week	Units	Credits	Marks		
							Internal Assessment	End Semester	Total
1	1st Year	I	6112 T: Circuit Analysis - Theory	4	4	4	15	35	50
2			6112 P: Circuit Analysis - Practicals	2	—	1	—	25	25
3			Environmental Science (AECC-I)	2	—	2	—	50	50
4	1st Year	II	6212 T: Electronic Devices - Theory	4	4	4	15	35	50
5			6212 P: Electronic Devices - Practicals	2	—	1	—	25	25
6			Basic Computer Skills (AECC-II)	2	—	2	—	50	50
7	2nd Year	III	6312 T: Power Supplies & Analog Circuits - Theory	4	4	4	15	35	50
8			6312 P: Power Supplies & Analog Circuits - Practicals	2	—	1	—	25	25
9			Digital Signal Processing - (SECC - I)	2	—	2	—	50	50
10	2nd Year	IV	6412 T: Applications of Operational Amplifier & Communication - Theory	4	4	4	15	35	50
11			6412 P: Applications of Operational Amplifier & Communication - Practicals	2	—	1	—	25	25
12			Modern Communication Systems - (SECC - II)	2	—	2	—	50	50
13	3rd Year	V	6512 T A: Digital Electronics A - Theory	4	4	4	15	35	50
14			6512 T P: Digital Electronics A - Practicals	2	—	1	—	25	25
15			6512 T B: MicroProcessor 8085 B - Theory	4	4	4	15	35	50
16			6512 P B: MicroProcessor 8085 B - Practicals	2	—	1	—	25	25
17			PIC & ATMEL Micro Controllers (Add - on Course)	1	—	2	—	25	25
18	3rd Year	VI	6612 T A: Fundamental of Embedded Systems A - Theory	4	4	4	15	35	50
19			6612 P A: Fundamental of Embedded Systems A - Practicals	2	—	1	—	25	25
20			6612 T B: Micro Controller 8051 B - Theory	4	4	4	15	35	50
21			6612 P B: Micro Controller 8051 B - Practicals	2	—	1	—	25	25
22			Micro Processors and Micro Controllers (I D E Course)	1	—	2	—	25	25

AECC - Ability Enhancement Compulsory Course
SECC - Skill Enhancement Compulsory Course
I D E - Inter Disciplinary Course

Head of the Department

Faculty of Arts/Science/Commerce and Business Administration

COURSE STRUCTURE

Semester: I

Paper Code	Course Paper	Teaching Hrs per week	Credits	Internal Assessment	External	Total Marks
0106	Paper I: Poetry, Prose, Grammar, Language Work	4 hrs	4	15	35	50
A0106	AECC I Environmental Studies	2 Hrs	2	—	50	50

Semester II

0206	Paper II: Poetry, Prose, Grammar, Language Work	4 hrs	4	15	35	50
IDE020	AECC II Basic Computer Skills	2 hrs	2	—	50	50

Faculty of Arts/Science/Commerce and Business Administration

COURSE STRUCTURE

Semester: III

Course Code	Course Paper	Teaching Hrs per week	Credits	Internal Assessment	External	Total Marks
	Paper I: Poetry, Prose, Grammar, Language Work	5 hrs	5	15	35	50
	<u>SECC I</u> Introduction to English Grammar II (Speaking Skills Reading Skills Writing Skills Listening Skills)	2 Hrs	2	—	50	50

Semester IV

	Paper II: Poetry, Prose, Grammar, Language Work	5 hrs	5	15	35	50
	<u>SECC II</u> Advance Business Communication Skills	2 hrs	2	—	50	50

Anwarul Uloom College

New Mallepally, Hyderabad-1

(An Autonomous Muslim Minority Institution)

(Affiliated to Osmania University, Hyderabad, Telangana State)

M.A.Previous (CBCS) Semester I/II

(Course Structure & Scheme of Examinations)

Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
					Max.	Min.			
M. A. English 1st Year, I – Semester (C B C S)									
I	101	The English Language: History, Description and Practice	5 Hrs	20	80	32	100	5	3 Hrs
II	102	English Poetry	5 Hrs	20	80	32	100	5	3 Hrs
III	103	English Drama	5 Hrs	20	80	32	100	5	3 Hrs
IV	104	English Language and Phonetics	5 Hrs	20	80	32	100	5	3 Hrs
V	105	Modern Indian Literatures in Translation	5 Hrs	20	80	32	100	5	3 Hrs
		Total	25 Hrs				500	25	
M. A. English 1st Year, II – Semester (C B C S)									
I	201	English Language Teaching :History, Approaches and Methods	5 Hrs	20	80	32	100	5	3 Hrs
II	202	English Prose	5 Hrs	20	80	32	100	5	3 Hrs
III	203	English Fiction	5 Hrs	20	80	32	100	5	3 Hrs
IV	204	Women's writing	5 Hrs	20	80	32	100	5	3 Hrs
V	205	Twentieth Century Literary Criticism and Theory	5 Hrs	20	80	32	100	5	3 Hrs
		Total	25 Hrs				500	25	

Tutorials: 2hours per week- No Credits

Notes:

For each paper there will be semester examination for 80 marks and 20 marks for internal assessment

[15 marks for tests (average of the two tests) and 5 marks for assignment in the subject].

Anwarul Uloom College

New Mallepally, Hyderabad-1
 (An Autonomous Muslim Minority Institution)
 (Affiliated to Osmania University, Hyderabad, Telangana State)
M.A Final (CBCS) Semester III/IV

(Course Structure & Scheme of Examinations)

S.No	Paper No.	Code No.	Title	Hours / Week	Internals Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
						Max.	Min.			
M. A. English 2nd Year, III – Semester (C B C S)										
1	I	301	English Language Teaching: Classroom Techniques and Practical English	5 Hrs	20	80	32	100	5	3 Hrs
2	II	302	American Literature—I	5 Hrs	20	80	32	100	5	3 Hrs
3	III	303	Indian Writing in English—I	5 Hrs	20	80	32	100	5	3 Hrs
4	IV	304	Postcolonial Literatures	5 Hrs	20	80	32	100	5	3 Hrs
5	V	305	Literature and Film	5 Hrs	20	80	32	100	5	3 Hrs
			Total	25 Hrs				500	25	
M. A. English 2nd Year, IV – Semester (C B C S)										
1	I	401	English Language Teaching :History, Approaches and Methods	5 Hrs	20	80	32	100	5	3 Hrs
2	II	402	English Prose	5 Hrs	20	80	32	100	5	3 Hrs
3	III	403	English Fiction	5 Hrs	20	80	32	100	5	3 Hrs
4	IV	404	Women's writing	5 Hrs	20	80	32	100	5	3 Hrs
5	V	405	Twentieth Century Literary Criticism and Theory	5 Hrs	20	80	32	100	5	3 Hrs
			Total	25Hrs				500	25	

Tutorials: 2hours per week- No Credits

Notes:
 For each paper there will be semester examination for 80 marks and 20 marks for internal assessment [15 marks for tests (average of the two tests) and 5 marks for assignment in the subject]

ANWARUL ULOOM COLLEGE , MALLEPALLY , HYDERABAD.

M.Sc., Physics I YEAR

(for the batch admitted in I year from the academic year 2019-2020)

Scheme of Instruction and Examination

Semester – I



Sl. No.	Sub. Code	Subject	Instructions Hrs/Week	No. of Credits	Max. Marks
Theory :					
01	P 101	Mathematical Physics (P)	4	4	20+80=100
02	P 102	Classical Mechanics (S)	4	4	20+80=100
03	P 103	Quantum Mechanics – I (P)	4	4	20+80=100
04	P 104	Solid State Physics (P)	4	4	20+80=100
Practical's :					
05	P 105	Heat & Acoustics	6	4	100
06	P 106	Optics	6	4	100
		Total	28	24	600
Add – On Course :					
07	P 107	Communicative English & Soft Skills	3	2	10+40=50

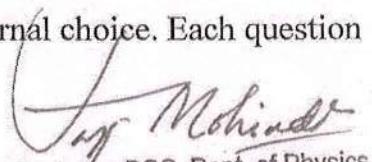
Note : - Out of 100 Marks for each theory paper 20 Marks are allotted for internals and 80 marks for Theory exams. There shall be no internal assessment examinations for Practical's. Practical Examinations will be conducted at the end of each Semester. For Add – On course out of 50 marks paper 10 marks are allotted for internals and 40 marks for the semester theory examination.

Pattern of Question Paper : - The Question paper consists of two parts, each covering all the four units.

Part - A : consists of EIGHT (8) short note questions, (two from each Unit), carrying 4 marks each.

The student has to answer all the questions.

Part – B : consists of FOUR(4) essay type questions with an internal choice. Each question carries 12 marks.


Chairman BOS, Dept. of Physics
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Mallepally, Hyderabad-500 001.

DEPARTMENT OF PHYSICS, ANWARUL ULOOM COLLEGE

ANWARUL ULOOM COLLEGE , MALLEPALLY , HYDERABAD.

M.Sc., Physics I YEAR

(for the batch admitted in I year from the academic year 2019-2020)

Scheme of Instruction and Examination

Semester – II



Sl. No.	Sub. Code	Subject	Instructions Hrs/Week	No. of Credits	Max. Marks
Theory :					
01	P 201	Electromagnetic Theory	4	4	20+80=100
02	P 202	Statistical Mechanics	4	4	20+80=100
03	P 203	Quantum Mechanics – II	4	4	20+80=100
04	P 204	Electronics	4	4	20+80=100
Practical's :					
05	P 205	Electronics	6	4	100
06	P 206	Computer Programming	6	4	100
		Total	28	24	600
IDE-Course :					
07	P 207	Basics of Computer Science	3	2	10+40=50

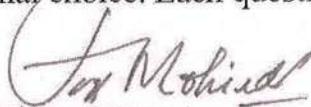
Note : - Out of 100 Marks for each theory paper 20 Marks are allotted for internals and 80 marks for Theory exams. There shall be no internal assessment examinations for Practical's. Practical Examinations will be conducted at the end of each Semester. For Add – On course out of 50 marks paper 10 marks are allotted for internals and 40 marks for the semester theory examination.

Pattern of Question Paper : - The Question paper consists of two parts, each covering all the four units.

Part - A : consists of EIGHT (8) short note questions, (two from each Unit), carrying 4 marks each.

The student has to answer all the questions.

Part – B : consists of FOUR(4) essay type questions with an internal choice. Each question carries 12 marks.


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DEPARTMENT OF PHYSICS, ANWARUL ULOOM COLLEGE

ANWARUL ULOOM COLLEGE, MALLEPALLY, HYDERABAD.

M.Sc., Physics II YEAR

(for the batch admitted in I year from the academic year 2018-2019)

Scheme of Instruction and Examination

Semester – III



Sl. No.	Sub. Code	Subject	Instructions Hrs/Week	No. of Credits	Max. Marks
Theory :					
01	P 301	MODERN OPTICS	4	4	20+80=100
02	P 302	ADVANCED SOLID STATE PHYSICS	4	4	20+80=100
03	PEI 303	DIGITAL LOGIC CIRCUITS	4	4	20+80=100
04	PEI 304	MICROPROCESSORS, DSPs & INTERFACING	4	4	20+80=100
05	PEI 305	ELECTRONIC INSTRUMENTATION	4	4	20+80=100
Practical's :					
06	P 306	SPECTROSCOPY	6	4	100
07	P 307	ANALOG AND DIGITAL SIMULATION	6	4	100
		Total	32	28	700
Add – On Course :					
08	P 308	Principles of Electrical Appliances	3	2	40+10=50

Note :- Out of 100 Marks for each theory paper 20 Marks are allotted for internals and 80 for Theory exam. There shall be no internal assessment examinations for Practical's. Practical Examinations will be conducted at the end of each Semester.

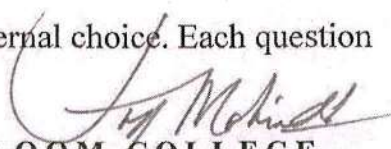
Pattern of Question Paper :- The Question paper consists of two parts, each covering all the four units.

Part - A : consists of EIGHT (8) short note questions, (two from each Unit), carrying 4 marks each.

The student has to answer all the questions.

Part – B : consists of FOUR(4) essay type questions with an internal choice. Each question carries 12 marks.

DEPARTMENT OF PHYSICS, ANWARUL ULOOM COLLEGE


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ANWARUL ULOOM COLLEGE , MALLEPALLY , HYDERABAD.

M.Sc., Physics II YEAR

(for the batch admitted in I year from the academic year 2018-2019)

Scheme of Instruction and Examination



Semester – IV

Sl. No.	Sub. Code	Subject	Instructions Hrs/Week	No. of Credits	Max. Marks
Theory :					
01	P 401	NUCLEAR PHYSICS (B)	4	4	20+80=100
02	P 402	SPECTROSCOPY (B) 20+10	4	4	20+80=100
03	PEI 403	EMBEDDED SYSTEMS AND ITS APPLICATIONS P	4	4	20+80=100
04	PEI 404	PC ARCHITECTURE (B)	4	4	20+80=100
05	PEI 405	INSTRUMENTATION FOR MEASUREMENT, CONTROL, DATA ACQUISITION AND DATA TRANSMISSION P	4	4	20+80=100
Practical's :					
06	P 406	NUCLEAR PHYSICS	6	4	100
07	P 407	MICROPROCESSORS(8086) & MICROCONTROLLERS(8051)	6	4	100
Total			32	28	700
IDE- Course :					
08	P 408	SOLAR ENERGY UTILIZATION	3	2	40+10=50

Note : - Out of 100 Marks for each theory paper 20 Marks are allotted for internals and 80 for Theory exam. There shall be no internal assessment examinations for Practical's. Practical Examinations will be conducted at the end of each Semester.

Pattern of Question Paper : - The Question paper consists of two parts, each covering all the four units.

Part - A : consists of EIGHT (8) short note questions, (two from each Unit), carrying 4 marks each.

The student has to answer all the questions.

Part – B : consists of FOUR(4) essay type questions with an internal choice. Each question carries 12 marks.

DEPARTMENT OF PHYSICS, ANWARUL ULOOM COLLEGE

Chairman BOS, Dept. of Physics

ANWAR-UL-ULOOM COLLEGE

Mallepally, Hyderabad-500 001.

COURSE: B.Sc., SUBJECT : PHYSICS

For M.P.C.*, M.P.E.* and M.P.Cs.* Students



Semester	Course/ Paper	Code No.	Teaching Hours Per Week	No. of Credits
I	Paper – I (Theory) Mechanics	6118	4 hours	3
	Paper – I (Mechanics Lab)	6118P	2 hours	1
	AECC-I(Environmental science)	A6118	2 hours	1
II	Paper – II (Theory) Thermal Physics	6218	4 hours	3
	Paper – III (Thermal Physics Lab)	6218P	2 hours	1
	AECC-II(Basic computer skills)	I6218	2 hours	1
III	Paper – III (Theory) Thermal Physics	6318	4 hours	3
	Paper – III (Thermal Physics Lab)	6318P	2 hours	1
	SECC-I Solar Energy and its Collectors	A6318	2 hours	1
IV	Paper – IV (Theory) Optics	6418	4 hours	3
	Paper – IV (Optics Lab)	6418P	2 hours	1
	SECC-II Storage and Utilization of Solar Energy	I6418	2 hours	1
V	Paper – V(A) (Theory) Electricity and Magnetism	6518A	4 hours	4
	Paper – V(A) (Lab)	6518P	2 hours	2
	Paper – V(B) (Theory) Maxwell's Equations and Electronics	6518B	4 hours	4
	Paper – V(B) (Lab)	6518P	2 hours	2
	Add-on Solar and Chemical Energy	A6518	2 hours	1
VI	Paper – VI(A) (Theory) Modern Physics	6618A	4 hours	4
	Paper – VI(A) (Lab)	6618P	2 hours	2
	Paper – VI(B) (Theory) Nuclear Physics, Solid State Physics	6618B	4 hours	4
	Paper – VI(B) (Lab)	6618P	2 hours	2
	IDE Mechanical and Geothermal Energy	I6618	2 hours	1

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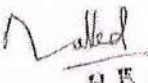
Faculty of Arts Department of Urdu

(2019 – 20)

Subjects: Second Language Urdu and Modern Language Urdu ,
Degree First Year, I & II - Semester

S. No.	Semester	Course Paper	Code No.	Teaching hours per week	Credits	w. e. f
1	I	Second Language Urdu	0102	4	4	2015 – 16
2	II	Second Language Urdu	0202	4	4	2015 – 16
3	III	Modern Language Urdu	1116	5	5	2015 – 16
4	IV	Modern Language Urdu	1216	5	5	2015 – 16


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(Affiliated to Osmania University)



Faculty of Arts

Department of Urdu

(Pattern based on Choice Based Credit System)

Second Language Urdu (2019 – 20)

Code	Name of the Paper	Scheme of Instruction / Hours per week	Credit	Internal Assessment Marks	Semester (End) Examination Marks
I – Semester					
	Mutalaya Adab (Part – I) (Ghazals: I – IV) (Poems: I – IV) (Prose: I – IV)	4	4	15	35
	AECC – I Paper: Environmental Studies	2	2	0	50
II – Semester					
	Mutalaya Adab (Part – I) (Ghazals: I – IV) (Poems: I – III) (Prose: I – III)	4	4	15	35
	AECC – II Paper: Gender Sensitization	2	2	0	50

M
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Faculty of Arts

Department of Urdu

(2019 – 20)

Subjects: Second Language Urdu and Modern Language Urdu ,
Degree Second Year, III & IV - Semesters

S. No.	Semester	Course Paper	Code No.	Teaching hours per week	Credits	w.e.f
1	III	Second Language Urdu	0302	4	3	2019 – 20
2	IV	Second Language Urdu	0402	4	3	2019 – 20
3	III	Modern Language Urdu	1316	5	4	2019 – 20
4	IV	Modern Language Urdu	1416	5	4	2019 – 20

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(Affiliated to Osmania University)



Faculty of Arts

Department of Urdu

(Pattern based on Choice Based Credit System)

Second Language Urdu (2019 – 20)

Code	Name of the Paper	Scheme of Instruction / Hours per week	Credit	Internal Assessment Marks	Semester (End) Examination Marks
III - Semester					
	Mutalaya Adab (Part – II) (Poetry: I – IV) (Poems: I – IV) (Prose: I – IV)	4	3	15	35
	SECC – I: Urdu Sahafat	2	2	15	35
IV - Semester					
	Mutalaya Adab (Part – II) (Poetry: I – IV) (Poems: I – III) (Prose: I – III)	4	3	15	35
	SECC – II: Tahseen – e – Shair	2	2	15	35

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Faculty of Arts Department of Urdu

(2019 – 20)

Subjects: Modern Language Urdu , Degree Third Year, V & VI - Semesters

S. No.	Semester	Course Paper	Code No.	Teaching hours per week	Credits	w. e. f
1	V A	Modern Language Urdu	1516	5	5	2019 – 20
2	V B	Modern Language Urdu	1516	5	5	2019 – 20
3	VI A	Modern Language Urdu	1616	5	5	2019 – 20
4	VI B	Modern Language Urdu	1616	5	5	2019 – 20

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Faculty of Science Department of Zoology (CBCS)

(2019 - 20)

S. No.	Semester	Course Paper	Teaching hours per week	Credits	
1	I	Zoology (Animal Diversity - Invertebrates)	4	4	363
		Practicals	2	1	
		Environmental Studies (AECC - I)	2	2	
2	II	Zoology (Ecology, Zoogeography & Animal Behaviour)	4	4	375
		Practicals	2	1	
		Gender Sensitization (AECC - II)	2	2	
			2	4	
3	III	Zoology (Biology of Chordates)	4	4	384
		Practicals	2	1	
		Tropical Diseases & Role of Vectors (SECC - I)	2	2	
4	IV	Zoology (Cell Biology, Genetics & Evolution)	4	4	393
		Practicals	2	1	
		Pet Care (SECC - II)	2	2	
5	V	Zoology V A (Animal Physiology)	4	4	400
		Practicals	2	1	
		Zoology V B <i>Genetics</i>	4	4	
		Practicals	2	1	
		Add - on Course	2	2	
6	VI	Zoology VI A (Fisheries & Haematology)	4	4	418
		Practicals	2	1	
		Zoology VI B (Immunology & Biotechnology)	4	4	
		Practicals	2	1	
		Biodiversity conservation & Ecotourism (I D E Course)	2	2	

AECC = Ability Enhancement Compulsory course.

SECC = Skill Enhancement Compulsory course.


GE = General Elective

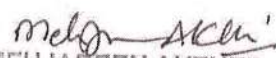
Anwarul Uloom College New Mallepally, Hyderabad-1
(An Autonomous Muslim Institution Affiliated to Osmania University)
B.A, B.Sc, B.Com & B.B.A

Department of Arabic 2018 - 2019

Subject: Arabic semester I / II / III / IV

Semester	Course Paper	Code num.	Teaching hrs per week	Credits
I	Paper I: Classical prose, poetry, translation and History of Arabic Literature	0101	4hours	4
II	Paper II: Classical prose, poetry, translation and History of Arabic Literature	0201	4 hours	4
III	Paper III : Classical prose poetry, translation and History of Arabic Literature	0301	4 hours	4
IV	Paper IV: Classical prose poetry translation and History of Arabic Literature	0401	4 hours	4


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New Mallepally, Hyderabad.


Prof. Dr. MEHJABEEN AKTHER
Chairperson-Board of Studies
Dept of ARABIC
Osmania University, Hyd.T.S.

B.Com. (CBCS)
(w.e.f. 2018-19)

Faculty of Commerce, AUC

STRUCTURE OF B.COM.(General) DEGREE COURSE w.e.f. ACADEMIC YEAR 2018 onwards

FIRST YEAR:

SEMESTER-I:

Sl.No	Code	Course Title	Course Type	Sem Exam	IA	Total	THPW	Credits
1	BC101	Environmental Studies	AECC-1	35	15	50	2Hrs	2
2	BC102	English	CC-1A	35	15	50	5Hrs	5
3	BC103	Second Language(H/U/T/A)	CC-2A	35	15	50	5Hrs	5
4	BC104	Financial Accounting- I	DSC-1A	35	15	50	5Hrs	5
5	BC105	Business Economics	DSC-2A	35	15	50	5Hrs	5
6	BC106	Business Organization	DSC-3A	35	15	50	4Hrs	4
7	BC107	Information Technology	DSC-4A	35	15P*	50	3T+2P*	4
		Total					30	30

SEMESTER-II:

8	BC201	Gender Sensitization	AECC-2	35	15	50	2Hrs	2
9	BC202	English	CC-1B	35	15	50	5Hrs	5
10	BC203	Second Language(H/U/T/A)	CC-2B	35	15	50	5Hrs	5
11	BC204	Financial Accounting- II	DSC-1B	35	15	50	5Hrs	5
12	BC205	Managerial Economics	DSC-2B	35	15	50	5Hrs	5
13	BC206	Principles of Management	DSC-3B	35	15	50	4Hrs	4
14	BC207	Foreign Trade	DSC-4B	35	15	50	4Hrs	4
		Total					30	30

SECOND YEAR:

SEMESTER-III

15	BC301	Principles of Insurance	SEC-1	35	15	50	2Hrs	2
16	BC302	English	CC-1C	35	15	50	5Hrs	5
17	BC303	Second Language	CC-2C	35	15	50	5Hrs	5
18	BC304	Advanced Accounting	DSC-1C	35	15	50	5Hrs	5
19	BC305	Income Tax-I	DSC-2C	35	15	50	5Hrs	5
20	BC306	Business Statistics-I	DSC-3C	35	15	50	4Hrs	4
21	BC307	Entrepreneurial Development & Business Ethics	DSC-4C	35	15	50	4Hrs	4
		Total					30	30

SEMESTER-IV:

22	BC401	Practice of Life Insurance	SEC-2	35	15	50	2Hrs	2
23	BC402	English	CC-1D	35	15	50	5Hrs	5
24	BC403	Second Language	CC-2D	35	15	50	5Hrs	5
25	BC404	Corporate Accounting	DSC-1D	35	15	50	5Hrs	5
26	BC405	Income Tax-II	DSC-2D	35	15	50	5Hrs	5
27	BC406	Business Statistics-II	DSC-3D	35	15	50	4Hrs	4
28	BC407	Financial Statement Analysis	DSC-4D	35	15	50	4Hrs	4
		Total					30	30

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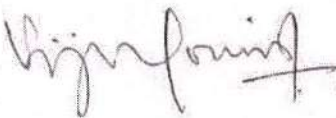


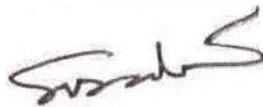
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B.Com. (CBCS)
(w.e.f. 2018-19)

Faculty of Commerce, AUC

THIRD YEAR: SEMESTER-V:								
29	BC501	Practice of General Insurance	SEC-3	35	15	50	2Hrs	2
30	BC502	Introduction to Indian Economy	GE-1	35	15	50	2Hrs	2
31	BC503	Cost Accounting	DSC-1E	35	15	50	5Hrs	5
32	BC504	Business Law	DSC-2E	35	15	50	4Hrs	4
33	BC505	Banking Theory & Practice	DSC-3E	35	15	50	4Hrs	4
34	BC506	Auditing	DSC-4E	35	15	50	4Hrs	4
35	BC507	Computerized Accounting	DSE-1A	35	15 P*	50	3T+2P*	4
36	BC508	Accounting Standards	DSE-2A	35	15	50	5Hrs	5
		Total					30	30
SEMESTER-VI:								
37	BC601	Regulation of Insurance Business	SEC-4	35	15	50	2Hrs	2
38	BC602	Sectors of Indian Economy	GE-2	35	15	50	2Hrs	2
39	BC603	Theory and Practice of GST	DSC-1F	35	15	50	4Hrs	4
40	BC604	Company Law	DSC-2F	35	15	50	4Hrs	4
41	BC605	Managerial Accounting	DSC-3F	35	15	50	4Hrs	4
42	BC606	Commerce Lab	DSC-4F	35Record	15Viva	50	2T+4P*	4
43	BC607	Financial Institutions & Markets	DSE-1B	35	15	50	5Hrs	5
44	BC608	Advanced Corporate Accounting	DSE-2B	35	15	50	5Hrs	5
		Total					30	30
		Grand Total					180	180


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B.Com. (CBCS)
(w.e.f. 2018-19)

Faculty of Commerce, AUC

STRUCTURE OF B.COM.(Comp Appl) DEGREE COURSE w.e.f. ACADEMIC YEAR 2018 onwards								
FIRST YEAR:								
SEMESTER-I:								
Sl.No	Code	Course Title	Course Type	Sem Exam	IA	Total	THPW	Credits
1	BC101	Environmental Studies	AECC-1	35	15	50	2Hrs	2
2	BC102	English	CC-1A	35	15	50	5 Hrs	5
3	BC103	Second Language	CC-2A	35	15	50	5 Hrs	5
4	BC104	Financial Accounting- I	DSC-1A	35	15	50	5 Hrs	5
5	BC105	Business Economics	DSC-2A	35	15	50	4 Hrs	4
6	BC106	Business Organization	DSC-3A	35	15P*	50	3T+2P*	4
7	BC107	Information Technology	DSC-4A	35	15P*	50	3T+2P*	4
		Total					30	30
SEMESTER-II:								
8	BC201	Gender Sensitisation	AECC-2	35	15	50	2Hrs	2
9	BC202	English	CC-1B	35	15	50	5 Hrs	5
10	BC203	Second Language	CC-2B	35	15	50	5 Hrs	5
11	BC204	Financial Accounting- II	DSC-1B	35	15	50	5 Hrs	5
12	BC205	Managerial Economics	DSC-2B	35	15	50	4 Hrs	4
13	BC206	Principles of Management	DSC-3B	35	15P*	50	3T+2P*	4
14	BC207	Relational Database Management System	DSE-2B	35	15P*	50	3T+2P*	4
		Total					30	30
SECOND YEAR:								
SEMESTER-III								
15	BC301	Principles of Insurance	SEC-1	35	15	50	2Hrs	2
16	BC302	English	CC-1C	35	15	50	5 Hrs	5
17	BC303	Second Language	CC-2C	35	15	50	5 Hrs	5
18	BC304	Advanced Accounting	DSC-1C	35	15	50	5 Hrs	5
19	BC305	Income Tax-I	DSC-2C	35	15	50	4 Hrs	4
20	BC306	Business Statistics-I	DSC-3C	35	15P*	50	3T+2P*	4
21	BC307	Programming with C	DSE-2A	35	15P*	50	3T+2P*	4
		Total					30	30
SEMESTER-IV:								
22	BC401	Practice of Life Insurance	SEC-2	35	15	50	2Hrs	2
23	BC402	English	CC-1D	35	15	50	5 Hrs	5
24	BC403	Second Language	CC-2D	35	15	50	5 Hrs	5
25	BC404	Corporate Accounting	DSC-1D	35	15	50	5 Hrs	5
26	BC405	Income Tax-II	DSC-2D	35	15	50	4 Hrs	4
27	BC406	Business Statistics-II	DSC-3D	35	15P*	50	3T+2P*	4
28	BC407	Objective Oriented Programming with C++	DSE-2A	35	15P*	50	3T+2P*	4
		Total					30	30

Vijay Poudyal
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Hyderabad-500 007, T.S.

B.Com. (CBCS)
(w.e.f. 2018-19)

Faculty of Commerce, AUC

THIRD YEAR: SEMESTER-V:								
29	BC501	Practice of General Insurance	SEC-3	35	15	50	2Hrs	2
30	BC502	Introduction to Indian Economy	GE-1	35	15	50	2 Hrs	2
31	BC503	Cost Accounting	DSC-1E	35	15	50	4 Hrs	4
32	BC504	Business Law	DSC-2E	35	15	50	4 Hrs	4
33	BC505	Banking Theory & Practice	DSC-3E	35	15	50	4 Hrs	4
34	BC506	Computerised Accounting	DSC-4E	35	15P*	50	3T+2P*	4
35	BC507	E-Commerce-I	DSE-1A	35	15	50	4T+2P*	5
36	BC508	Management Informatics System-I	DSE-2A	35	15	50	4T+2P*	5
Total							30	30
SEMESTER-VI:								
37	BC601	Regulation of Insurance Business	SEC-4	35	15	50	2 Hrs	2
38	BC602	Sectors of Indian Economy	GE-2	35	15	50	2 Hrs	2
39	BC603	Theory and Practice off GST	DSC-1F	35	15	50	4 Hrs	4
40	BC604	Company Law	DSC-2F	35	15	50	4 Hrs	4
41	BC605	Managerial Accounting	DSC-3F	35	15	50	4 Hrs	4
42	BC606	Commerce Lab	DSC-4F	35Record	15V	50	2T+4P*	4
43	BC607	E-Commerce-II	DSE-1B	35	15	50	4T+2P*	5
44	BC608	Management Informatics System-II	DSE-2B	35	15	50	4T+2P*	5
Total							30	30
Grand Total							180	180

Vijay Kumar

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(w.e.f. 2018-19)

Faculty of Commerce, AUC

SECOND YEAR:								
SEMESTER-III								
15	BC301	Principles of Insurance	SEC-1	35	15	50	2Hrs	2
16	BC302	English	CC-1C	35	15	50	5 Hrs	5
17	BC303	Second Language	CC-2C	35	15	50	5 Hrs	5
18	BC304	Advanced Accounting	DSC-1C	35	15	50	5 Hrs	5
19	BC305	Income Tax-I	DSC-2C	35	15	50	5 Hrs	5
20	BC306	Business Statistics-I	DSC-3C	35	15	50	4 Hrs	4
21	BC307	Programming with C	DSE-2A	35	15P*	50	3T+2P*	4
		Total					30	30
SEMESTER-IV:								
22	BC401	Practice of Life Insurance	SEC-2	35	15	50	2Hrs	2
23	BC402	English	CC-1D	35	15	50	5 Hrs	5
24	BC403	Second Language	CC-2D	35	15	50	5 Hrs	5
25	BC404	Corporate Accounting	DSC-1D	35	15	50	5 Hrs	5
26	BC405	Income Tax-II	DSC-2D	35	15	50	5 Hrs	5
27	BC406	Business Statistics-II	DSC-3D	35	15	50	4 Hrs	4
28	BC407	Objective Oriented Programming with C++	DSE-2A	35	15P*	50	3T+2P*	4
		Total					30	30

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STRUCTURE OF B.COM. (E-Comm) DEGREE COURSE w.e.f. ACADEMIC YEAR 2018 onwards								
FIRST YEAR:								
SEMESTER-I								
Sl. No	Code	Course Title	Course Type	Sem Exam	IA	Total	THPW	Credits
1	BC101	Environmental Studies	AECC-1	35	15	50	2Hrs	2
2	BC102	English	CC-1A	35	15	50	5 Hrs	5
3	BC103	Second Language	CC-2A	35	15	50	5 Hrs	5
4	BC104	Financial Accounting- I	DSC-1A	35	15	50	5 Hrs	5
5	BC105	Business Economics	DSC-2A	35	15	50	5 Hrs	5
6	BC106	Business Organization	DSC-3A	35	15	50	4 Hrs	4
7	BC107	Information Technology	DSC-4A	35	15P*	50	3T+2P*	4
		Total					30	30
SEMESTER-II:								
8	BC201	Gender Sensitization	AECC-2	35	15	50	2Hrs	2
9	BC202	English	CC-1B	35	15	50	5 Hrs	5
10	BC203	Second Language	CC-2B	35	15	50	5 Hrs	5
11	BC204	Financial Accounting- II	DSC-1B	35	15	50	5 Hrs	5
12	BC205	Managerial Economics	DSC-2B	35	15	50	5 Hrs	5
13	BC206	Principles of Management	DSC-3B	35	15	50	4 Hrs	4
14	BC207	Relational Database Management System	DSE-2B	35	15P*	50	3T+2P*	4
		Total					30	30

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(w.e.f. 2018-19)

Faculty of Commerce, AUC

THIRD YEAR:								
SEMESTER-V:								
29	BC501	Practice of General Insurance	SEC-3	35	15	50	2Hrs	2
30	BC502	Introduction to Indian Economy	GE-1	35	15	50	2 Hrs	2
31	BC503	Cost Accounting	DSC-1E	35	15	50	4 Hrs	4
32	BC504	Business Law	DSC-2E	35	15	50	4 Hrs	4
33	BC505	Banking Theory & Practice	DSC-3E	35	15	50	4 Hrs	4
34	BC506	Computerised Accounting	DSC-4E	35	15P*	50	3T+2P*	4
35	BC507	Fundamentals of Electronic Communication	DSE-1A	35	15	50	4T+2P*	5
36	BC508	E-Commerce & Functional Business Systems	DSE-2A	35	15	50	4T+2P*	5
Total							30	30
SEMESTER-VI:								
37	BC601	Regulation of Insurance Business	SEC-4	35	15	50	2 Hrs	2
38	BC602	Sectors of Indian Economy	GE-2	35	15	50	2 Hrs	2
39	BC603	Theory and Practice off GST	DSC-1F	35	15	50	4 Hrs	4
40	BC604	Company Law	DSC-2F	35	15	50	4 Hrs	4
41	BC605	Managerial Accounting	DSC-3F	35	15	50	4 Hrs	4
42	BC606	Commerce Lab	DSC-4F	35Record	15V	50	2T+4P*	4
43	BC607	E-Commerce Applications	DSE-1B	35	15	50	4T+2P*	5
44	BC608	DataBase Management System & System Analysis & Design	DSE-2B	35	15	50	4T+2P*	5
Total							30	30
Grand Total							180	180

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FIRST SEMESTER

Sl.No (1)	Code (2)	Title of the Paper (3)	THPW (4)	Credits (5)	DESE (6)	IA (7)	Assignment (8)	End-Sem. Ment (9)	Total (10)
1	Com 1 : Core - I	Managerial Economics	5	4	3 Hrs	15	5	80	100
2.	Com 2 : Core - II	Principles of Marketing	5	4	3 Hrs	15	5	80	100
3.	Com3: Core -II I	OT & OB	5	4	3 Hrs	15	5	80	100
4.	Com 4 : Elective-I	Specialization **	5	5	3 Hrs	15	5	80	100
5.	Com 5: Elective-II	Specialization **	5	5	3 Hrs	15	5	80	100
	SEMINAR		2	1	-	-	-	25*	25
			27	23		75	25	425	525

*25=15W+10PR

SECOND SEMESTER:

Sl.No	Code	Title of the Paper (3)	THPW	Credits	DESE	IA	Assignment	End-Sem. Ment	Total
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11.	Com 11 : Core – I	Research Methodology & Statistical Analysis	5	4	3 Hrs	15	5	80	100
12.	Com 12 : Core – II	E-Commerce	5 (4T+2P)	4	3 Hrs	15	35 IA LPE	50	100
13.	Com 13: Core –II I	Cost Accounting and Control	5	4	3 Hrs	15	5	80	100
14.	Com 14 : Elective-I	Specialization **	5	5	3 Hrs	15	5	80	100
15.	Com 15: Elective-II	Specialization **	5	5	3 Hrs	15	5	80	100
16.	ID Paper	Business Organization & Management	4	4	3 Hrs	15	5	80	100
	SEMINAR		2	1				25*	25
								
			31	27		90	60	475	625

FOURTH SEMESTER:

Sl.No	Code	Title of the Paper	THPW	Credits	DESE	IA	Assignment	End- Sem. Ment	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
17.	Com 16 : Core – I	Quantitative Techniques for Business	5	4	3 Hrs	15	5	80	100

		Decisions							
18.	Com 17: Core – II	Business and Corporate Taxation	5	4	3 Hrs	15	5	80	100
19.	Com 18: Core –II I	Strategic Management	5	4	3 Hrs	15	5	80	100
20.	Com 19 : Elective-I	Specialization **	5	5	3 Hrs	15	5	80	100
21.	Com 20: Elective-II	Specialization **	5	5	3 Hrs	15	5	80	100
22.	Com:21	Project Work	8	4				50VV + 50D	100
	SEMINAR		2	1				25*	25
	TOTAL		35	27		75	25	525	625
	GRAND TOTAL		120	100	-	315	135	1850	2300

25=15W+10PR

Inter Disciplinary (ID) Paper in Third Semester is offered to the Non-Commerce PG Students.
 THPW= Teaching Hours Per Week; ESED=End-Semester Examination Duration; VV=Viva-Voce;
 LPE = Lab Practical Examinations; D=Dissertation; T=Theory; P=Practical; W=Write-up;
 PR=Presentation; DESE = Duration of End-Semester Examination.

ANWAR UL ULOOM COLLEGE

(An Autonomous Muslim Minority Institution, Affiliated to Osmania University)

New Mallapally, Hyderabad-1

DEPARTMENT OF COMPUTER SCIENCE

STRUCTURE OF MODEL CURRICULUM FOR B.Sc. I, II & III YEAR

EFFECTIVE FROM THE ACADEMIC YEAR 2015-16 ON WARDS

AS PER THE CHOICE BASED CREDIT SYSTEM (CBCS)

Class	Semester	Course/Paper	Code No	Teaching Hours Per week	No of Credits
B.Sc. First Year (w.e.f. 2018-19)	I	Paper - I (Theory) Programming in C	6110	4 hrs	4
		Paper - I (C-LAB) AECC-I	6110P	2 hrs	1
		Environmental Studies	A6110	2 hrs	2
	II	Paper - II (Theory) Programming in C++	6210	4 hrs	4
		Paper -II (C++-LAB) AECC-II	6210P	2 hrs	1
		Gender Sensitization	A6210	2 hrs	2
B.Sc. Second Year (w.e.f. 2016-17)	III	Paper -III (Theory) Programming in Java	6310	4 hrs	4
		Paper -III(Java-LAB) Add-on (SEC)	6310P	2 hrs	1
		M-Commerce	A6310	2hrs	1
	IV	Paper -IV (Theory) Data Structure	6410	4 hrs	4
		Paper -V(DS- LAB) IDE	6410P	2 hrs	1
		Basics Of Programming	I6410	2 hrs	1
B.Sc. Third Year (w.e.f. 2018-19)	V	Paper -V A-DMBS	6510	4 hrs	4
		Paper -VA(DBMS-LAB)	6510P	2 hrs	1
		Paper -VB-Operating Sys	6511	4 hrs	4
		Paper -VB(OS-LAB)	6511P	2 hrs	1
		Add-on (SEC)			
		Software Engineering	A6512	2 hrs	1
	VI	Paper -VI-A Web Tech.	6610	4 hrs	4
		Paper -VI-A (Web-LAB)	6610P	2 hrs	2
		Paper -VI-B Comp Net.	6611	4 hrs	4
		Paper -VI B(CN-LAB)	6611P	2 hrs	2
		IDE			
		Basic Web Designing	I6610	2 hrs	1

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Board of Studies in Computer Science

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New Mallepally, Hyd
(Affiliated to Osmania University,,)
Department Of Economics
M.A.(Economics) Course Structure
(Choice Based Credit System)
(2018– 2019)

MASTER STRUCTURE

SEMESTER – I

Paper Code	Name Of The Paper	Scheme Of Instructions (Hours Per Week)	Credits	Scheme Of Examination		
				Internal Assessment Marks	Semester Exam Marks	Total
101	Micro Economics Analysis-I	5	5	20	80	100
102	Macro Economics Analysis -I	5	5	20	80	100
103	Quantitative Methods- I	5	5	20	80	100
104	Agricultural Economics-I Or Computer Applications-I	5 (4)	5	20	80	100
105	Economics Of Social Sector-I Or Financial Economics -I	5 (4)	5	20	80	100
	TOTAL	25	25	100	400	500
	Add On Course					
106	Communicative English & Soft Skills	30 Hrs .Per Paper	2		50	50

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COURSE STRUCTURE


SEMESTER – II

Paper Code	Name of the Paper	PPW	Credits	Scheme Of Examination		Total
				IA Marks	External Marks	
ECO 201	Micro Economics Analysis- II	5	5	20	80	100
ECO 202	Macro Economics Analysis -II	5	5	20	80	100
ECO 203	Quantitative Methods- II	5	5	20	80	100
ECO 204	Agricultural Economics-II Or Computer Applications-II	5	5	20	80	100
ECO 205	Economics of Social Sector-II Or Financial economics-II	5	5	20	80	100
ADD – ON 206	Human Values & Profession Ethics	30Hrs	2	–	50	50
TOTAL		25	27	100	450	550

Notation:IA-Internal Assessment

Note :

1. For each paper there will be semester examination for 80 marks and 20 marks for Internal Assessment.
2. 15 marks for Internal Assessment and 5 marks for Assignment in the subject, average of two shall be considered for the award of marks.


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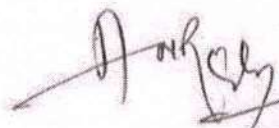
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Department Of Economics
M.A.(Economics) Course Structure
(Choice Based Credit System)


(2018– 2019)

MASTER STRUCTURE

SEMESTER – III

Paper Code	Name Of The Paper	Scheme Of Instructions (Hours Per Week)	Credits	Scheme Of Examination		Total
				Internal Assessment Marks	Semester Exam Marks	
301	Econometrics - I	5	5	20	80	100
302	International Economics -I	5	5	20	80	100
303	Public Economics - I	5	5	20	80	100
304	Industrial Economics – I Or Agri – Business - I	5	5	20	80	100
305	Demography - I Or Development Economics - I	5	5	20	80	100
	TOTAL	25	25	100	400	500
	IDE Course					
306	Telangana Economy	30 Hrs .Per Paper	2		50	50


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SEMESTER - IV


Paper Code	Name Of The Paper	Scheme Of Instructions (Hours Per Week)	Credits	Scheme Of Examination		
				Internal Assessment Marks	Semester Exam Marks	Total
401	Econometrics - II	5	5	20	80	100
402	Indian Economy - II	5	5	20	80	100
403	Environmental Economics - II	5	5	20	80	100
404	Industrial Economics - II Or Agri - Business - II	5	5	20	80	100
405	Economics Of Insurance Or Telangana Economy	5	5	20	80	100
	TOTAL	25	25	100	400	500
	IDE Course					
406	Indian Economy And Development	30 Hrs .Per Paper	2		50	50

Notation:

IA-Internal Assessment ; SEM- Semester

1. Note :For each papers there will be semester examination for 80 marks and 20 marks for Internal Assessment.

15 marks for Internal Assessment and 5 marks for Assignment in the subject, average of two shall be considered for the award of marks.


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Department of Economics
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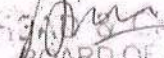
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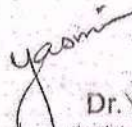


Faculty of Social Sciences
B.A (History Political Science and Modern Languages Urdu (HPML)
Subject : Political Science (2018-19)

Course Structure
Choice Based Credit System Pattern
Approval Syllabus for the Academic Year 2018-19

Code	Name of the paper	Scheme of instruction/Hours per week	Credit	Scheme of Examination	
				Internal Assessment Marks	Semester Examination Marks
SEMESTER – I					
1119	Pol. Science – Concepts, Theories and Institutions.	5 Hours	5	15	35
AECC-I PAPER FOR SEMESTER – I					
A1119	Environmental Studies	2 Hours	2	15	35
SEMESTER – II					
1219	Political Science Ideologies	5 Hours	5	15	35
AECC-II PAPER FOR SEMESTER – II					
11219	Gender Sensitization	2 Hours	2	15	35


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Dr. YASMIN
Assistant Professor
Department of Political Science
Osmania University, Hyderabad.

24

COURSE STRUCTURE 2018-2019
CHOICE BASED CREDIT SYSTEM PATTERN
 Approval Syllabus for Academic Year 2018-2019

B.A. III YEAR V A – V B

Semester	Name of the Paper	Schemes of Instructor Hours per week	Credit	Schemes of Examination	
				Internal Assessment	Semester Examination Marks

SEMESTER V A

V A	Pol. Science Ancient Indian Political Thoughts	5 Hrs.	5	15	35
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SEMESTER V B

V A	Pol. Science International Relations	5 Hrs.	5	15	35
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ADD ON PAPER FOR SEMESTER V A AND V B

	Reform Movements in India	2 Hrs	1	15	35
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Semester VI A – VI B

Semester	Name of the Paper	Schemes of Instructor Hours per week	Credit	Schemes of Examination	
				Internal Assessment	Semester Examination Marks

SEMESTER VI A

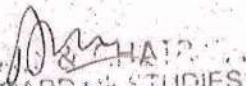
VI A	Pol. Science western Political Thoughts	5 Hrs	5	15	35
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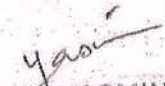
SEMESTER VI B

VI B	Pol. Science International Relations	5 Hrs	5	15	35
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IDE PAPER FOR EMESTER VI A and VI B

	Women Studies An Introduction	2 Hrs	1	15	35
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Faculty of Social Sciences
B.A (History Political Science and Modern Languages Urdu (HPML)
Subject : Political Science (2018-19)

Course Structure
Choice Based Credit System Pattern
Approval Syllabus for the Academic Year 2018-19

Code	Name of the paper	Scheme of instruction/Hours per week	Credit	Scheme of Examination	
				Internal Assessment Marks	Semester Examination Marks
SEMESTER – III					
1119	Indian Government and Politics	5 Hours	5	15	35
ADD-ON PAPER FOR SEMESTER - III					
A1119	Emancipation of women	2 Hours	1	15	35
SEMESTER – IV					
1219	Indian Government and Politics; Union and State Governments	5 Hours	5	15	35
IDE PAPER FOR SEMESTER – IV					
11219	Caste System in India	2 Hours	1	15	35

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Assistant Professor
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Osmania University, Hyderabad.

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New Mallepally, Hyderabad – 500 001, Telangana, India



Faculty of Social Sciences
Department of Public Administration
2018-2019

Course Structure

Choice Based Credit System Pattern Approved Syllabus for the Academic
year 2018-2019

Scheme of Examination

Name of the Paper	Scheme of Instruction / Hours Per week	Credit	Internal Assignment Marks	Semester (End) Examination Marks.
Semester – I				
Introduction to Public Administration-I	5 Hours	5	15	35
Skill Enhancement Course Add-On Paper for Semester-I				
Women's Studies	2 Hours	1	15	35
Semester – II				
Introduction to Public Administration-II	5 Hours	5	15	35
General Elective Course IDE Paper for Semester- II				
Disaster Management	2 Hours	1	15	35

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Faculty of Social Sciences
Department of Public Administration
2018-2019

Course Structure

Choice Based Credit System Pattern Approved Syllabus for the Academic year 2016-2017

Scheme of Examination

Name of the Paper	Scheme of Instruction / Hours Per week	Credit	Internal Assignment Marks	Semester (End) Examination Marks.
Semester – III				
Public Administration in India	5 Hours	5	15	35
Skill Enhancement Add-On Paper for Semester- III				
Rural Urban Administration	2 Hours	1	15	35
Semester – IV				
Public Administration in India	5 Hours	5	15	35
General Elective Course IDE Paper for Semester- IV				
Public Relations	2 Hours	1	15	35

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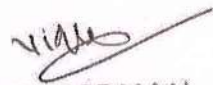
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Faculty of Social Sciences
Department of Public Administration
2018-2019

Choice Based Credit System for B.A V & VI Semester

Semester	Name of the Paper	Internal Assessment Marks	Semester and Examination Marks
V A	Public Administration Management of resources	15	35
V B	Public Administration Office Management	15	35
VI A	Public Administration Management of resources	15	35
VI B	Public Administration Office Management	15	35


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Department of Public Administration
Osmania University, Hyd-7.

ANWARUL ULOOM COLLEGE (Autonomous)

(An Autonomous Muslim Minority Institution)
New Mallepally, Hyderabad – 500 001, T. S., India.
(Affiliated to Osmania University)



Faculty of Social Sciences

Department of History

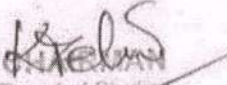
B. A. (History, Political Science & Modern Language – Urdu)

B. A. 2nd Year
(2018 – 19)

Choice Based Credit System Pattern (w.e.f. 2015 – 16)

(Approved Syllabus for the Academic Year 2018 – 19)

S. No.	Year	Sem.	Paper	Title	Code No.	Inter. Marks	Sem. Marks	Teaching hours	Credits
1	2 nd Year	III	III	History of India (from 1526 – 1857 CE)	1313	15	35	5 Hrs	4
2			Add-on	History and Culture of Telangana (1500 – 2014 CE)		15	35	2 Hrs	1
3	2 nd Year	IV	IV	History of India (from 1858 – 1964 CE)	1413	15	35	5 Hrs	4
4			I D E	History of Tourism In India		15	35	2 Hrs	1


Board of Studies
Dept. of History
Anwarul-uloom College
New Mallepally, Hyderabad

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Faculty of Social Sciences

Department of History

B. A. (History, Political Science & Modern Language – Urdu)

B. A. 3rd Year
(2018 – 19)

Choice Based Credit System Pattern (w.e.f. 2015 – 16)

(Approved Syllabus for the Academic Year 2018 – 19)

S. No.	Year	Sem.	Paper	Title	Code No.	Inter. Marks	Sem. Marks	Teaching hours	Credits
1	3 rd Year	V	V A	World History (1453 - 1815 CE)	1513 A	15	35	5 Hrs	4
2			V B	Islamic History & Culture (from earliest times to fall of Ummayyads)	1513 B	15	35	5 Hrs	4
3			Add-on	Archives & Museums		15	35	2 Hrs	1
4	3 rd Year	VI	VI A	World History (1815 - 1950 CE)	1513 A	15	35	5 Hrs	4
5			VI B	Islamic History & Culture (Rise of Abbasids to Crusades)	1513 B	15	35	5 Hrs	4
6			IDE	History of World Tourism		15	35	2 Hrs	1

K. S. Reddy
CHAIRMAN
Board of Studies
Dept. of History
Anwarul-Uloom College
New Mallepally, Hyderabad

G. A.
Chairman, Board of Studies
Department of History
Osmania University, Hyderabad-7. A.P.

J. Sandhya Jayath
LECTURER
Govt. College for Women
Begumpet, Hyderabad.



ANWARUL ULOOM COLLEGE (AUTONOMOUS)

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New Mallepally, Hyderabad – 500 001, T.S., India.
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Department of History Paper Titles & Marks Details (2018 - 19)

(Course Structure & Scheme of Examinations)

S. No.	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
						Max.	Min.			
M. A. Ist Year, I – Semester (CBCS)										
1	I	211	History of India (from earliest times to 1206 CE)	5 Hrs	20	80	32	100	5	3 Hrs
2	II	212	History of Modern World (from 1453 – 1871 CE)	5 Hrs	20	80	32	100	5	3 Hrs
3	III	213	History & Culture of Telangana (from earliest times to 1724 CE)	5 Hrs	20	80	32	100	5	3 Hrs
4	IV	214 a	Ancient Civilization	5 Hrs	20	80	32	100	5	3 Hrs
		214 b	History of China (1879 to 1949 CE)							
5	V	215 a	Tourism & Culture	5 Hrs	20	80	32	100	5	3 Hrs
		215 b	History of U S A (1776 to 1945 CE)							
6		116	Add On: Communicative English & Soft Skills	2 Hrs	—	50	20	—	2	2 Hrs
			Total	27 Hrs				500	25	17 Hrs
M. A. Ist Year, II – Semester (CBCS)										
1	I	221	History of India (1206 - 1858 CE)	5 Hrs	20	80	32	100	5	3 Hrs
2	II	222	History of Modern World (from 1871 - 1964 CE)	5 Hrs	20	80	32	100	5	3 Hrs
3	III	223	History & Culture of Telangana (1724 to 2014 CE)	5 Hrs	20	80	32	100	5	3 Hrs
4	IV	224 a	Historiography & Historical Method (IV a)	5 Hrs	20	80	32	100	5	3 Hrs
		224 b	History of Russia (1861 - 1991 CE)							
5	V	225 a	Environmental History of Modern India	5 Hrs	20	80	32	100	5	3 Hrs
		225 b	History of Japan (1850 - 1945 CE)							
6		126	Add - On Course: HV & PE / Basics of Computer Science	2 Hrs	—	50	20	—	2	2 Hrs
			Total	27 Hrs				500	25	

[Signature]
Head of the Department

Note: Add - on and I D E Courses marks and credits are not considered for Aggregate of Marks and Aggregate of total credits and for award of Division

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CHAIRMAN
Board of Studies
Dept. of History
Anwarul-uloom College
New Mallepally, Hyderabad

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Chairman, Board of Studies
Department of History
Osmania University, Hyderabad-T. A. P.

[Signature]
LECTURER
Govt. College for Women
Begumpet, Hyderabad.

ANWARUL ULOOM COLLEGE (AUTONOMOUS)

(An Autonomous Muslim Minority Institution)
New Mallepally, Hyderabad – 500 001, T.S., India.
(Affiliated to Osmania University)



Department of History Paper Titles & Marks Details (2018 - 19)

(Course Structure & Scheme of Examinations)

S. No.	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
						Max.	Min.			
M. A. 2nd Year, III – Semester (CBCS)										
1	I	231	Social, Economic & Cultural History of Medieval India (1206 - 1707 CE)	5 Hrs	20	80	32	100	5	3 Hrs
2	II	232	Social, Economic & Cultural History of Modern India (1707 - 1947 CE)	5 Hrs	20	80	32	100	5	3 Hrs
3	III	233	History of Dalit Movement in India (1900 - 1947 AD)	5 Hrs	20	80	32	100	5	3 Hrs
4	IV	234 a	History of Science & Technology in Modern India (1800 - 1964 CE)	5 Hrs	20	80	32	100	5	3 Hrs
		234 b	Architecture in Deccan							
5	V	235	History of Contemporary India (1947 - 2000 CE)	5 Hrs	20	80	32	100	5	3 Hrs
		236	I D E Course: Cultural Heritage of India Part - A.	2 Hrs	—	50	20	—	2	2 Hrs
			Total	29 Hrs				500	25	
M. A. 2nd Year, IV – Semester (CBCS)										
1	I	241	National Movement in India (1858 - 1947 CE)	5 Hrs	20	80	32	100	5	3 Hrs
2	II	242	Buddhist Studies	5 Hrs	20	80	32	100	5	3 Hrs
3	III	243	Tribal & Peasant Movement in India (19 th & 20 th Centuries)	5 Hrs	20	80	32	100	5	3 Hrs
4	IV	244 a	Constitutional History of India (1773 - 1947 CE)	5 Hrs	20	80	32	100	5	3 Hrs
		244 b	Archives & Museums							
5	V	245	Women studies in Modern India	5 Hrs	20	80	32	100	5	3 Hrs
6		246	I D E Course: Cultural Heritage of India - Part B	2 Hrs	—	50	20	—	2	2 Hrs
			Total	27 Hrs				500	25	

Total Credits: 100 & Total Marks: 2,000

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Head of the Department

Board of Studies

Dept. of History

Anwarul-Uloom College

New Mallepally, Hyderabad

LECTURER

[Signature]
Chairman, Board of Studies
Department of History
Osmania University, Hyderabad-7. A. P.

Govt. College for Women
Begumpet, Hyderabad.

SEMESTER I

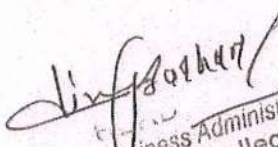
Sl.No	Code	Course Title	Course Type	Sem Exam	IA	Total	THPW	Credits
1	BBA101	Business Organization and Management	CC-1	35	15	50	5Hrs	5
2	BBA102	Business Economics (Micro)	CC-2	35	15	50	5Hrs	5
3	BBA103	Financial Accounting- I	CC-3	35	15	50	5Hrs	5
4	BBA104	Information Technology	CC-4	35	15P	50	4T + 2P	5
5	AECC1	Environmental Studies	AECC-1	35	15	50	2Hrs	2
		Total					22	22

Suzukh
Dr. Syed Khaja Safiuddin
Senior Assistant Professor
Department of Management
Maulana Azad National Urdu University
Gachibowli, Hyderabad.

Asif Ishaq
HEAD
Department of Business Administration
Anwarul Uloom College
New Mallepally, Hyderabad-01

SEMESTER-II

6	BBA201	Organisational Behaviour	CC-5	35	15	50	5Hrs	5
7	BBA202	Financial Accounting- II	CC-6	35	15	50	5Hrs	5
8	BBA203	Business Economics (Macro)	CC-7	35	15	50	5Hrs	5
9	BBA204	Rational Data Base Management System	CC-8	35	15P	50	4T + 2P	5
10	AECC2	Gender Sensitization	AECC 2	35	15	50	2Hrs	2
		Total					22	22

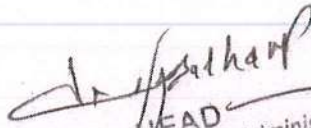

Department of Business Administration
Anwarul Uloom College
New Mallepally, Hyderabad-01


Dr. Syed Khairul Sufiaddin
Senior Assistant Professor
Department of Management
Maulana Azad National Urdu University
Gachibowli, Hyderabad.

SECOND YEAR

SEMESTER III

11	BBA301	Principles of Marketing	CC-9	35	15	50	5Hrs	5
12	BBA302	Advanced Accounting	CC-10	35	15	50	5Hrs	5
13	BBA303	Business Statistics-I	CC-11	35	15	50	5Hrs	5
14	BBA304	Direct Tax	CC-12	35	15	50	5Hrs	5
15	Add on	Recreation and Leisure Time Management	EC-2	35	15	50	2Hrs	2
		Total					22	22


HEAD
Department of Business Administration
Anwarul Uloom College
New Mallepally, Hyderabad-01

B.Sc. Botany Papers and Scheme of Marks
Anwarul Uloom College

S.No	Semester	Course /Paper	Code No	Teaching Hrs	No. of Credits
1.	I	Paper-I Theory Microbial Diversity of lower plants .	6107	4 hrs	4
		Practical-Paper I: Microbial Diversity of lower plants.	6107-P	2hrs	1
		AECC I : Environmental studies	A6107	2hrs	2
2.	II	Paper-II Theory Bryophytes, Pteridophytes, Gymnosperms and Paleobotany.	6207	4 hrs	4
		Practical-Paper II: Bryophytes, Pteridophytes, Gymnosperms and Paleobotany	6207-P	2hrs	1
		AECC II: Gender Sensitization.	I6207	2hrs	2
3.	III	Paper-III Theory Taxonomy of Angiosperms and Medicinal Botany	6307	4hrs	4
		Practical-Paper III: Taxonomy & Medicinal Botany.	6307-P	2hrs	1
		Add On : BioFertilizers	A6307	2hrs	1
4.	IV	Paper-IV Theory Anatomy , Embryology and Palynology	6407	4hrs	4
		Practical-Paper IV: Anatomy , Embryology and Palynology.	6407-P	2hrs	1
		IDE: Forestry	I6407	2hrs	1

P. Dees
CHAIR PERSON
BOS₄ IN Botany

Almin
CHAIRMAN
S.O.S. IN BOTANY
O. U. HYD.

B. G. ...
Professor & Head
Department of Botany
Osmania University
Hyderabad-500 007

Anwarul Uloom P.G. College (Autonomous)
M.Sc. Botany Scheme of Papers & Examinations

Semester-I

Paper	Title	Theory Hrs/Week	Practical Hrs/Week	Max.Marks Theory
I	Phycology and Mycology	4	4 & 4 credits	80 External +20Internal=100
II	Bryophyta and Pteridophyta	4	4 & 4 credits	80+20=100
III	Taxonomy and Medicinal Botany	4	4 & 4 credits	80+20=100
IV	Plant BioChemistry	4	4 & 4 credits	80+20=100
V	Communicative English & Soft Skills (Add on Paper)	4	2 credits	50Marks. based on concept

Semester-II

Paper	Title	Theory Hrs/Week	Practical Hrs/Week	Max.Marks Theory
I	Applied Phycology and Mycology	4	2 & 1 credit	100
II	Gymnosperms and Embryology	4	2 & 1 credit	100
III	Plant Anatomy and Palynology	4	2 & 1 credit	100
IV	Plant Physiology	4	2 & 1 credit	100
V	Human Values and Professional Ethics (Add on Paper)	2 credits.	-	50Marks. Based on Concept.

CBCS Practical exams 50 marks each, will be conducted at the end of each Semester for M.Sc.

Internal Asses.15 Marks +5 Marks Assignment for each Paper and 80 marks for Final Exam.

Semester III & IV marks distribution same as Semester I & II.

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CHAIRPERSON
BOS IN BOTANY

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CHAIRMAN
B.O.S. IN BOTANY
O. U. HYD.

[Signature]
Professor & Head
Department of Botany
Osmania University
Hyderabad-500 007

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Anwarul Uloom P.G. College (Autonomous)
M.Sc. Botany Scheme of Papers & Examinations

Semester III

Paper	Title	Theory Hrs/Week	Practical Hrs/Week	Max.Marks Theory
I	Cell Biology ,Genetics and Biostatistics	4	2 & 1 credit	100
II	Environmental Pollution and Protection	4	2 & 1 credit	100
III	Cytogenetics	4	2 & 1 credit	100
IV	Genetics	4	2 & 1 credit	100 + 50 Viva
V	IDE Course : Seed Technology	2 hrs.	2 credits	50Marks. Based on Concept.

Semester IV

Paper	Title	Theory Hrs/Week	Practical Hrs/Week	Max.Marks Theory
I	Ecology & Phytogeography	4	2 & 1 credit	100
II	Horticulture and Plant Breeding	4	2 & 1 credit	100
III	Molecular Genetics & Recombinant DNA Technology	4	2 & 1 credit	100
IV	Project Work	4	4 credits	100 + 50 Viva
V	IDE Course : Polyhouse Technology	2 hrs.	2 credits	50Marks. Based on Concept.

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CHAIR PERSON
BOS₁ IN Botany

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CHAIRMAN
B.O.S. IN BOTANY
O. U. HYD.

[Signature]
Professor & Head
Department of Botany
Osmania University
Hyderabad-500 007

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B. Kishore

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**DEPARTMENT OF BOTANY,
OSMANIA UNIVERSITY
M.Sc. BOTANY (CBCS)
(Effective from Academic Year 2018-2019)**

Semester-I

Subject Code	Subject / Paper	Theory / Practical	Instruction	Credits	Evaluation		Duration of External
			Hrs /Week Th./ Pr.		Internal	External	Examination
MBOT.CC.T.1.101	Phycology and Mycology	Theory (Paper-I)	4	4	20	80	3
MBOT.CC.T.1.102	Bryophyta & Pteridophyta	Theory (Paper-II)	4	4	20	80	3
MBOT.CC.T.1.103	Taxonomy of Angiosperms and Medicinal Botany	Theory (Paper-III)	4	4	20	80	3
MBOT.CC.T.1.104	Plant Biochemistry	Theory (Paper-IV)	4	4	20	80	3
MBOT.CC.P.1.105	Practical Lab - I	Practical (Paper-I)	4	2	-	50	4
MBOT.CC.P.1.106	Practical Lab - II	Practical (Paper-II)	4	2	-	50	4
MBOT.CC.P.1.107	Practical Lab-III	Practical (Paper-III)	4	2	-	50	4
MBOT.CC.P.1.108	Practical Lab-IV	Practical (Paper-IV)	4	2	-	50	4
			32	24	600		

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CHAIR PERSON
BOS IN Botany
BOS Botany

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[Signature]
CHAIRMAN
B.O.S. IN BOTANY
O. U. HYD.

[Signature]
Professor & Head
Department of Botany
Osmania University
Hyderabad-500 007

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SEMESTER - III

Subject Code	Subject / Paper	Theory / Practical	Instruction Hrs /Week	Credits	Evaluation		Duration of External Examination
			Th./Pr.		Internal	External	
MBOT.CC.T.2.301	Cell Biology, Genetics and Biostatistics	Theory (Paper-I)	4	4	20	80	3
MBOT.CC.T.2.302	Environmental Pollution & Protection	Theory (Paper-II)	4	4	20	80	3
MBOT.EC.T.2.303	Specialization - (A/B/C/D/E)	Theory (Paper-III)	4	4	20	80	3
MBOT.EC.T.2.304	Specialization - (A/B/C/D/E)	Theory (Paper-IV)	4	4	20	80	3
MBOT.CC.P.2.305	Practical Lab - I	Practical (Paper-I)	4	2	-	50	4
MBOT.CC.P.2.306	Practical Lab - II	Practical (Paper-II)	4	2	-	50	4
MBOT.EC.P.2.307	Practical Lab - III	Practical (Paper-III)	4	2	-	50	4
MBOT.EC.P.2.308	Practical Lab - IV	Practical (Paper-IV)	4	2	-	50	4
			32	24	600		

**CHAIR PERSON
B.O.S. IN Botany**

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**CHAIRMAN
B.O.S. IN BOTANY
O. U. HYD.**

[Handwritten signature]
**Professor & Head
Department of Botany
Osmania University
Hyderabad-500 007**

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**ANWARUL ULOOM COLLEGE
(AUTONOMOUS)
M.Sc. BIOTECHNOLOGY SYLLABUS (2018 – 2019)
CHOICE BASED CREDIT SYSTEM (CBCS)**

SEMESTER – III

S No	Syllabus Ref No	Subject	Credits	Teaching Hours	Marks		
					Internal Assessment	Semester Exam	Total
THEORY							
1.	BT 301 T	Recombinant DNA technology	4	4	20	80	100
2.	BT 302 T	Bioinformatic & Its Applications	4	4	20	80	100
3.	BT 303 T	Elective: A. Advance in plant Biotechnology (or) B. Food Biotechnology	4	4	20	80	100
4.	BT 304 T	Elective: A. Animal Biotechnology (or) B. Protein Engineering	4	4	20	80	100
PRACTICALS							
1.	BT 351 P	Recombinant DNA technology	2	4		50	50
2.	BT 352 P	Bioinformatic & Its Applications	2	4		50	50
3.	BT 353 P	Elective: A. Advance in plant Biotechnology (or) B. Food Biotechnology	2	4		50	50
4.	BT 354 P	Elective: A. Animal Biotechnology (or) B. Protein Engineering	2	4		50	50
		Total	24	32	80	520	600

SEMESTER – IV

S No	Syllabus Ref No	Subject	Credits	Teaching Hours	Marks		
					Internal Assessment	Semester Exam	Total
THEORY							
1.	BT 401 T	Bioprocess Engineering	4	4	20	80	100
2.	BT 402 T	Medical Biotechnology	4	4	20	80	100
3.	BT 403 T	Elective: A. Environmental Biotechnology B. Biopharmacology	4	4	20	80	100
4.	BT 404 T	Project Work	6				150
PRACTICALS							
1.	BT 451 P	Bioprocess Engineering	2	4		50	50
2.	BT 452 P	Medical Biotechnology	2	4		50	50
3.	BT 453 P	Elective: A. Environmental Biotechnology B. Biopharmacology	2	4		50	50
		Total	24	24	60	390	600
		Grandtotal					2400

T- Theory, P-Practical

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Dr. H. Surekha Rani
M.Sc., Ph.D.
Asst. Professor
Department of Genetics & Biotechnology
University, Hyderabad-500 007.

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ANWARUL ULOOM COLLEGE
(AUTONOMOUS)
M.Sc. BIOTECHNOLOGY SYLLABUS (2018 – 2019)

CHOICE BASED CREDIT SYSTEM (CBCS)

SEMESTER – I							
S No	Syllabus Ref No	Subject	Credits	Teaching Hours	Mark		
					Internal Assessment	Semester Exam	Total
THEORY							
1.	BT 101 T	Cell Biology and Genetics	4	4	20	80	100
2.	BT 102 T	Biological chemistry	4	4	20	80	100
3.	BT 103 T	Microbiology	4	4	20	80	100
4.	BT 104 T	Statistics, laboratory management & safety, entrepreneurship	4	4	20	80	100
PRACTICALS							
1.	BT 151 P	Cell Biology and Genetics	2	4		50	50
2.	BT 152 P	Biological chemistry	2	4		50	50
3.	BT 153 P	Microbiology	2	4		50	50
4.	BT 154 P	Statistics, LM&S, & E.	2	4		50	50
		Total	24	32	80	520	600

SEMESTER – II							
S No	Syllabus Ref No	Subject	Credits	Teaching Hours	Marks		
					Internal Assessment	Semester Exam	Total
THEORY							
1.	BT 201 T	Molecular Biology- The Genome	4	4	20	80	100
2.	BT 202 T	Molecular Biology- Genes to Proteins	4	4	20	80	100
3.	BT 203 T	Immunology	4	4	20	80	100
4.	BT 204 T	Microbial technology	4	4	20	80	100
PRACTICALS							
1.	BT 251 P	Molecular Biology-The Genome	2	4		50	50
2.	BT 252 P	Molecular Biology- Genes to Proteins	2	4		50	50
3.	BT 253 P	Immunology	2	4		50	50
4.	BT 254 P	Microbial technology	2	4		50	50
		Total	24	32	80	520	600

T- Theory, P-Practical

Dr. H. Surekha Rani
M.Sc., Ph.D.
Asst. Professor
Department of Genetics & Biotechnology
Osmania University, Hyderabad-500 007.

ANWARUL ULOOM COLLEGE (AUTONOMOUS)
B.Sc. Biotechnology

Semester	Course/Paper	Teaching Hours/week	No. of Credits
I	Paper - I (Theory) - Genetics	4hr	4
	Paper - I (Practical)	2hr	1
II	A ECC - I Paper - II (Theory) - Nucleic Acids & Bioinformatics	2hr	2
	Paper - II (Practical)	2hr	4
II	A ECC - II Paper - III (Theory) - Biological chemistry	4hr	1
	Paper - III (Practical)	2hr	2
V	Add On	2hr	4
	Paper - IV (Theory) - Microbiology & Immunology	4hr	1
V	Paper - IV (Practical)	2hr	1
	IDE	2hr	4
V	Paper - V A (Theory) - Molecular Biology	4hr	1
	Paper - V A (Practical)	2hr	4
I	Paper - V B (Theory) - r-DNA Technology	4hr	1
	Paper - V B (Practical)	2hr	4
I	Add On	2hr	1
	Paper - VI A (Theory) - Microbial Technology (A)	4hr	4
I	Paper - VI A (Practical)	2hr	1
	Paper - VI B (Theory) - Microbial Technology (B)	4hr	4
I	Paper - VI B (Practical)	2hr	1
	IDE	2hr	1
	PROJECT		4

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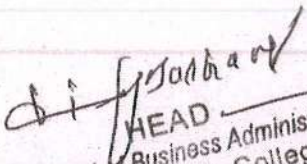
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Dr. H. Sarojini Ranj
M.sc., Ph.D.
Asst. Professor
Department of Genetics & Biotechnology
Osmania University, Hyderabad-500 007.

SEMESTER-IV

16	BBA401	Accounting for Management	CC-13	35	15	50	5Hrs	5
17	BBA402	Business Statistics-II	CC-14	35	15	50	5Hrs	5
18	BBA403	Banking and Insurance	CC-15	35	15	50	5Hrs	5
19	BBA404	Accounting Packages	CC-16	35	15	50	3T + 2P	5
20	IDE	Creativity and Innovation Management	EC - 2	35	15	50	2Hrs	2
21	CVW	NCC/ NSS/ Sports	EC-2	-	-	No Exam	Certificate	2
22	EVS	Environmental Science	FC-2	35	15	50	2Hrs	2
		Total					26	26


HEAD
Department of Business Administration
Anwarul Uloom College
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Paper VI P-2 (Practicals)

III - Fuel Chemistry

P1

2 Hrs

1

6609VI-

2 Hrs

1

P2

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ANWARUL ULOOM COLLEGE (AUTONOMOUS)

(An Autonomous Muslim Minority Institute)
New Mallepally, Hyderabad - 500 001, T.S., India
(Affiliated to Osmania University)

Department of Chemistry Paper Titles & Marks Details (Course Structure & Scheme of Examination

S No.	Paper No.	Code No.	Title	Hours / Week	Intern al Marks	Semester Marks		Total Marks	Cred its	Durati on of Exam
						Max	Min			
M.Sc. II – Year, IV – Semester (CBCS)										
		Theory								
1	I	541	Drug design and drug discovery	4 Hrs	20	80	32	100	4	3 Hrs
2	II	542	Drug Synthesis and Mechanism of Action	4 Hrs	20	80	32	100	4	3 Hrs
3	III	543	Advance Heterocyclic Chemistry	4 Hrs	20	80	32	100	4	3 Hrs
4	IV	544	Advance Natural Products	4 Hrs	20	80	32	100	4	3 Hrs
5		545	IDE : Food Micro – Biology	2 hrs	10	50	20	50	2	2 Hrs
			Seminar	2 Hrs	-	25	-	25	1	2 Hrs
			Practicals							
6		546 P	Spectroscopic identification of Organic Compounds and Practice of Chemistry Software Programmes	6 Hrs	-	100	50	100	4	3 Hrs
7		547 P	Project work	3 weeks	-	100	50	100	4	3 Hrs
8			Total					625	25	

ANWARUL ULOOM COLLEGE (AUTONOMOUS)

(An Autonomous Muslim Minority Institute)
New Mallepally, Hyderabad - 500 001, T.S., India
(Affiliated to Osmania University)

Department of Chemistry Paper Titles & Marks Details (Course Structure & Scheme of Examination)

S No.	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam
						Max	Min			
M.Sc. II – Year, III – Semester (CBCS)										
Theory										
1	I	531	Synthetic Reagents, Confirmational Analysis and ORD	4 Hrs	20	80	32	100	4	3 Hrs
2	II	532	Modern Organic Synthesis	4 Hrs	20	80	32	100	4	3 Hrs
3	III	533	Bio Organic Chemistry	4 Hrs	20	80	32	100	4	3 Hrs
4	IV	534	Green Chemistry and Organic Materials	4 Hrs	20	80	32	100	4	3 Hrs
5		535	IDE : Bio – Technology & Health Care	2 Hrs	10	40	20	50	2	2 Hrs
			Seminar	2 Hrs	-	25	-	25	1	2 Hrs
Practicals										
6		536P	Synthesis Of Organic Molecules, Isolation of Natural Products and TLC	6 Hrs	-	100	50	100	4	3 Hrs
7		537P	Synthesis & Analysis of Drugs & Column Chromatography	6 Hrs	-	100	50	100	4	3 Hrs
8			Total	32 Hrs				625	25	

Department

Head of the



ANWARUL ULOOM COLLEGE (AUTONOMOUS)

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(Affiliated to Osmania University)

Department of Chemistry Paper Titles & Marks Details (Course Structure & Scheme of Examination)

S. No	Paper No	Code No	Title	Hours /week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam
						Max	Min			
M.Sc. I-Year, I-Semester (CBCS)										
Theory										
1	I	511	Inorganic Chemistry	4 Hrs	20	80	32	100	4	3 Hrs
2	II	512	Organic Chemistry	4 Hrs	20	80	32	100	4	3 Hrs
3	III	513	Physical Chemistry	4 Hrs	20	80	32	100	4	3 Hrs
4	IV	514	Analytical Techniques and Spectroscopy-I	4 Hrs	20	80	32	100	4	3 Hrs
5		116	IDE: Communicative English & Soft Skills	2 Hrs	10	40	20	-	2	3 Hrs
Practicals										
5		515 P	Inorganic Chemistry	6 Hrs	-	75	38	75	3	3 Hrs
7		516 P	Organic Chemistry	6 Hrs	-	75	38	75	3	3 Hrs
3		517 P	Physical Chemistry	6 Hrs	-	75	38	75	3	3 Hrs
3			Total	36 Hrs				625	25	
M.Sc. I-Year, II-Semester (CBCS)										
Theory										
I		521	Inorganic Chemistry	4 Hrs	20	80	32	100	4	3 Hrs
II		522	Organic Chemistry	4 Hrs	20	80	32	100	4	3 Hrs
III		523	Physical Chemistry	4 Hrs	20	80	32	100	4	3 Hrs
IV		524	Analytical Techniques and Spectroscopy-II	4 Hrs	20	80	32	100	4	3 Hrs
		126	IDE: Human Values & Professional Ethics	2 Hrs	-	50	20	-	2	2 Hrs
Practicals										
		525 P	Inorganic Chemistry	6 Hrs	-	75	38	75	3	3 Hrs
		526 P	Organic Chemistry	6 Hrs	-	75	38	75	3	3 Hrs
		527 P	Physical Chemistry	6 Hrs	-	75	38	75	3	3 Hrs
			Total	36 Hrs				625	25	

lsh
Head of the Department

lsh

Ch. Sarada Devi



ANWARUL ULOOM COLLEGE (AUTONOMOUS)

(An Autonomous Muslim Minority Institute)
New Mallepally, Hyderabad - 500 001, T.S., India.
(Affiliated to Osmania University)

Department of Chemistry Paper Titles & Marks Details (Course Structure & Scheme of Examination)

Sl. No	Paper No	Code No	Title	Hours /week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam
						Max	Min			
M.Sc. I-Year, I-Semester (CBCS)										
Theory										
1	I	511	Inorganic Chemistry	4 Hrs	20	80	32	100	4	3 Hrs
2	II	512	Organic Chemistry	4 Hrs	20	80	32	100	4	3 Hrs
3	III	513	Physical Chemistry	4 Hrs	20	80	32	100	4	3 Hrs
4	IV	514	Analytical Techniques and Spectroscopy-I	4 Hrs	20	80	32	100	4	3 Hrs
5		116	IDE: Communicative English & Soft Skills	2 Hrs	10	40	20	-	2	3 Hrs
Practicals										
6		515 P	Inorganic Chemistry	6 Hrs	-	75	38	75	3	3 Hrs
7		516 P	Organic Chemistry	6 Hrs	-	75	38	75	3	3 Hrs
8		517P	Physical Chemistry	6 Hrs	-	75	38	75	3	3 Hrs
9			Total	36 Hrs				625	25	
M.Sc. I-Year, II-Semester (CBCS)										
Theory										
1	I	521	Inorganic Chemistry	4 Hrs	20	80	32	100	4	3 Hrs
2	II	522	Organic Chemistry	4 Hrs	20	80	32	100	4	3 Hrs
3	III	523	Physical Chemistry	4 Hrs	20	80	32	100	4	3 Hrs
4	IV	524	Analytical Techniques and Spectroscopy-II	4 Hrs	20	80	32	100	4	3 Hrs
5		126	IDE: Human Values & Professional Ethics	2 Hrs	-	50	20	-	2	2 Hrs
Practicals										
6		525 P	Inorganic Chemistry	6 Hrs	-	75	38	75	3	3 Hrs
7		526 P	Organic Chemistry	6 Hrs	-	75	38	75	3	3 Hrs
8		527 P	Physical Chemistry	6 Hrs	-	75	38	75	3	3 Hrs
9			Total	36 Hrs				625	25	

lsh
Head of the Department

lsh

Ch. Sarekheri

ANWARUL ULOOM COLLEGE

B.Sc (M.P.C; B.Z.C. B.M.C & N.Z.C)

SUBJECT: CHEMISTRY

Year	Semester	Course / Paper	Code. No.	Teaching hrs/Week	No. of Credits
I	I	Paper-I (Theory)	6109	4 Hrs	4
		Paper-II (Practicals)	6109 P	2 Hrs	1
		1 st AECC I Environmental Studies		2 Hrs	1
	II	Paper-II (Theory)	6209	4 Hrs	4
		Paper-II (Practicals)	6209 P	2 Hrs	1
		AECC-II Gender Sensitization		2 Hrs	2
II	SUM III SEC-I	Paper-I (Theory) Safety Rules in chemistry	6309	4 Hrs	4
		Paper-II (Practicals) laboratory	6309P	2 Hrs	1
		Add on: Soaps & Detergents	A6309	2 Hrs	1
	SEC-IV	Paper-IV (Theory)	6409	4 Hrs	4
		Paper-IV (Practicals) soaps	6409P	2 Hrs	1
		IDE: Industrial Chemistry	I6409	2 Hrs	1
	SEC-II (changed by AU)	Paper V (Theory)	6509	4 Hrs	4
		Paper - VA (Elective) Inst. microchem. of A	6509A	4 Hrs	4
		Paper- VB (Elective) Ind. chem catalysis	6509B	4 Hrs	4
		Paper -V- P-1 (Practicals)	6509V-	2 Hrs	1
		Paper- V- P-2 (Practicals)	P1	2 Hrs	1
		Add-on: Water Technology	6509V-P2	2 Hrs	1
A6509					
SEC-III Materials & their appl. GE-I III Pharmaceuticals	VI	Paper-VI (Theory)	6609	4 Hrs	4
		Paper - VIA (Elective) Medicinal chem	6609A	4 Hrs	4
		Paper- VIB (Elective) Agri & fuel chem	6609B	4 Hrs	4
		Paper - VI-P1 (Practicals)	I 6609VI-	2 Hrs	1
SEC-IV Chemistry of chemicals in food process AEC-2 Industrial Chemistry	VI	Paper-VI (Theory)	6609	4 Hrs	4
		Paper - VIA (Elective) Medicinal chem	6609A	4 Hrs	4
		Paper- VIB (Elective) Agri & fuel chem	6609B	4 Hrs	4
		Paper - VI-P1 (Practicals)	I 6609VI-	2 Hrs	1

Semester-II

Subject Code	Subject / Paper	Theory / Practical	Instruction Hrs /Week	Credits	Evaluation		Duration of External Examination
			Th./ Pr.		Internal	External	
MBOT.CC.T.1.201	Applied Phycology and Mycology	Theory (Paper-I)	4	4	20	80	3
MBOT.CC.T.1.202	Gymnosperms and Embryology	Theory (Paper-II)	4	4	20	80	3
MBOT.CC.T.1.203	Plant Anatomy and Palynology	Theory (Paper-III)	4	4	20	80	3
MBOT.CC.T.1.204	Plant Physiology	Theory (Paper-IV)	4	4	20	80	3
MBOT.CC.P.1.205	Practical Lab - I	Practical (Paper-I)	4	2	-	50	4
MBOT.CC.P.1.206	Practical Lab - II	Practical (Paper-II)	4	2	-	50	4
MBOT.CC.P.1.207	Practical Lab - III	Practical (Paper-III)	4	2	-	50	4
MBOT.CC.P.1.208	Practical Lab - IV	Practical (Paper-IV)	4	2	-	50	4
			32	24	600		

Jadee
 CHAIR PERSON
 BOS, Botany

Arman
 CHAIRMAN
 B.O.S. IN BOTANY
 O. U. HYD.

Prof. Arun
 Professor
 Department of Botany
 Osmania University
 Hyderabad-500 007

B. K. ...

G. ...

Rajee

A.

M. ...

S.

SEMESTER - IV

Subject Code	Subject / Paper	Theory / Practical	Instruction Hrs /Week	Credits	Evaluation		Duration of External Examination
			Th./ Pr.		Internal	External	
MBOT.CC.T.2.401	Ecology & Phytogeography	Theory (Paper-I)	4	4	20	80	3
MBOT.CC.T.2.402	Horticulture & Plant Breeding	Theory (Paper-II)	4	4	20	80	3
MBOT.EC.T.2.403	Specialization - (A/B/C/D/E)	Theory (Paper-III)	4	4	20	80	3
MBOT.EC.T.2.404	Specialization - (A/B/C/D/E) / Project*	Theory (Paper-IV) / Project*	4	4	20	80	3
MBOT.CC.P.2.405	Practical Lab - I	Practical (Paper-I)	4	2	-	50	4
MBOT.CC.P.2.406	Practical Lab - II	Practical (Paper-II)	4	2	-	50	4
MBOT.EC.P.2.407	Practical Lab - III	Practical (Paper-III)	4	2	-	50	4
MBOT.EC.P.2.408	Practical Lab - IV / Project*	Practical (Paper-IV) / Project*	4	2	-	50	4
			32	24	600		

* Project work / Dissertation in place of one elective course and one practical that accounts to 6 Credits.

Total number of Credits for the 2-year M.Sc. Botany Programme: 96

Note: Specializations (A/B/C/D/E): Given in next page

CHAIRPERSON
BOTANY

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BOTANY

Chairman
CHAIRMAN
B.O.S. IN BOTANY
O. U. HYD.

Professor & Head
Professor & Head
Department of Botany
Osmania University
Hyderabad-500 007

Chairman
Haks

Chairman
Haks



ANWARUL ULOOM COLLEGE (AUTONOMOUS)

(An Autonomous Muslim Minority Institution)
New Mallepally, Hyderabad – 500 001, T.S., India.
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Department of Comp. Sci. & Engineering Paper Titles & Marks Details (Course Structure & Scheme of Examinations)

S. No.	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
						Max.	Min.			
B. Sc. (CSE) Ist Year, I – Semester (CBCS) W.E.F. 2018-19										
Theory										
1	I	0106	English	4 Hrs	15	35	14	50	4	2 Hrs
2	II	7141	Mathematics - I	4 Hrs	15	35	14	50	4	2 Hrs
3	III	7142	Electrical Circuits & Machines	4 Hrs	15	35	14	50	4	2 Hrs
4	IV	7143	Introduction to Information Technology	4 Hrs	15	35	14	50	4	2 Hrs
5	V	7144	Programming in C	4 Hrs	15	35	14	50	4	2 Hrs
6	VI	A7145	AECC-I: Environmental Studies	2 Hrs	-	50	20	50	2	2 Hrs
Practicals										
7	VII	7142P	ECM Lab	2 Hrs	—	25	13	25	1	2 Hrs
8	VIII	7143P	IIT Lab	2 Hrs	—	25	13	25	1	2 Hrs
9	IX	7144P	C Lab	2 Hrs	—	25	13	25	1	2 Hrs
Total				28 Hrs				375	25	
B. Sc. (CSE) Ist Year, II – Semester (CBCS) W.E.F. 2018-19										
Theory										
1	I	0206	English	4 Hrs	15	35	14	50	4	2 Hrs
2	II	7246	Mathematics - II	4 Hrs	15	35	14	50	4	2 Hrs
3	III	7247	Physics	4 Hrs	15	35	14	50	4	2 Hrs
4	IV	7248	Electronic Devices & Circuits	4 Hrs	15	35	14	50	4	2 Hrs
5	V	7249	Programming in Unix	4 Hrs	15	35	14	50	4	2 Hrs
6	VI	I7250	AECC-II: Gender Sensitization	2 Hrs	-	50	20	50	2	2 Hrs
Practicals										
7	VII	7247P	Physics Lab	2 Hrs	—	25	13	25	1	2 Hrs
8	VIII	7248P	EDC Lab	2 Hrs	—	25	13	25	1	2 Hrs
9	IX	7249P	Unix Lab	2 Hrs	—	25	13	25	1	2 Hrs
Total				30 Hrs				375	25	

87

Head of the Department



ANWARUL ULOOM COLLEGE (AUTONOMOUS)

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Department of Comp. Sci. & Engineering Paper Titles & Marks Details (Course Structure & Scheme of Examinations)

S. No.	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
						Max.	Min.			
B. Sc. (CSE) 2nd Year, III – Semester (CBCS) W.E.F. 2016-17										
Theory										
1	I	0306	English	4 Hrs	15	35	14	50	4	2 Hrs
2	II	7351	Mathematics – III	4 Hrs	15	35	14	50	4	2 Hrs
3	III	7352	Digital Logical Design	4 Hrs	15	35	14	50	4	2 Hrs
4	IV	7353	Operating Systems	4 Hrs	15	35	14	50	4	2 Hrs
5	V	7354	OOPS through C++	4 Hrs	15	35	14	50	4	2 Hrs
6	VI	A7355	Add – On Course: M-Commerce	2 Hrs	15	35	14	50	1	2 Hrs
Practicals										
7	VII	7352P	DLD Lab	2 Hrs	–	25	13	25	1	2 Hrs
8	VIII	7353P	O. S Lab.	2 Hrs	–	25	13	25	1	2 Hrs
9	IX	7354P	C++ Lab	2 Hrs	–	25	13	25	1	2 Hrs
Total				28 Hrs				375	24	
B. Sc. (CSE) 2nd Year, IV – Semester (CBCS) W.E.F. 2016-17										
1	I	0406	English	4 Hrs	15	35	14	50	4	2 Hrs
2	II	7456	Probability & Statistics	4 Hrs	15	35	14	50	4	2 Hrs
3	III	7457	Data Structures	4 Hrs	15	35	14	50	4	2 Hrs
4	IV	7458	Microprocessor 8086 & Interfacing	4 Hrs	15	35	14	50	4	2 Hrs
5	V	7459	Java Programming	4 Hrs	15	35	14	50	4	2 Hrs
6	VI	I7460	I D E: Basics of Programming	2 Hrs	15	35	14	50	1	2 Hrs
Practicals										
7	VII	7457P	Data Structure Lab	2 Hrs	–	25	13	25	1	2 Hrs
8	VIII	7458P	M P 8086 & Interfacing Lab.	2 Hrs	–	25	13	25	1	2 Hrs
9	IX	7459P	Java Programming Lab	2 Hrs	–	25	13	25	1	2 Hrs
Total				30 Hrs				375	24	

Head of the Department



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Department of Comp. Sci. & Engineering Paper Titles & Marks Details (Course Structure & Scheme of Examinations)

S. No.	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
						Max.	Min.			
B. Sc. (CSE) 3rd Year, V – Semester (CBCS) W.E.F. 2017-18										
Theory										
1	I	7561	Computer Network	6 Hrs	30	70	28	100	6	3 Hrs
2	II	7562	Compiler Construction	6 Hrs	30	70	28	100	6	3 Hrs
3	III	7563	Embedded Systems	6 Hrs	30	70	28	100	6	3 Hrs
4	IV	7564	Modern Database Management System	6 Hrs	30	70	28	100	6	3 Hrs
5	V	A7565	Add-On: Software Engineering	2 Hrs	15	35	14	50	1	2 Hrs
Practicals										
6	VI	7563P	Embedded System Lab	2 Hrs		50	25	50	2	3 Hrs
7	VII	7564P	DBMS-Lab	2 Hrs		50	25	50	2	3 Hrs
			Total	30 Hrs				550	29	
B. Sc. (CSE) 3rd Year, VI – Semester (CBCS) W.E.F. 2017-18										
1	I	7666	Network Security	6 Hrs	30	70	28	100	6	3 Hrs
2	II	7667	Web programming	6 Hrs	30	70	28	100	6	3 Hrs
3	III	7668	Client Sever Programming	6 Hrs	30	70	28	100	6	3 Hrs
4	IV	I7670	I DE: Basic Web Designing	2 Hrs	15	35	14	50	1	2 Hrs
Practicals										
5	V	7667P	Web Programming - Lab	2 Hrs	-	50	25	50	2	3 Hrs
6	VI	7668P	C S P though Java Lab	2 Hrs	-	50	25	50	2	3 Hrs
7	VII	7670P	Project & Seminar	6 Hrs		100	50	100	6	3 Hrs
			Total					600	29	

Head of the Department

S.No.	Semester	Course/ Paper	Code No.	Teaching Hrs	No.of Credits
5.	VA	Paper-V Theory	6507	6hrs	4
	VB	Cell Biology, Genetics, Ecology and Biodiversity	6507-P	2hrs	1
		Practical-Paper V: Cell Biology, Genetics, Ecology and Biodiversity Add On : E-waste management.	A6507	2hrs	2
(35 + 15) marks					
6.	VIA	Paper-VI Theory	6607	6hrs	4
	VIB	Plant Physiology, Tissue Culture, Biotechnology, Seed Technology and Horticulture	6607-P	2hrs	1
		Practical-Paper VI: Physiology, Tissue Culture, Biotechnology, Seed Technology and Horticulture	16607	2hrs	2
IDE: Herbal Medicine.					

Theory : 35 Marks
 IAT : 15 Marks
 Practicals : 25 Marks.

~~Chair Person~~
CHAIR PERSON
 B.O.S. IN Botany

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 CHAIRMAN
 B.O.S. IN BOTANY
 O. U. HYD.

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 B. Chin...

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 Professor & Head
 Department of Botany
 Osmania University
 Hyderabad-500 007

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B.A. (ECONOMICS) IIInd year

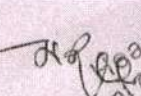
SEMESTER – IIIrd & IVth

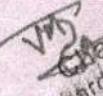
(2018-19)

COURSE STRUCTURE

CHOICE BASED CREDIT SYSTEM PATTERN

Code	Name Of The Paper	Scheme Of Instruction/Hours Per Week	Credit	Scheme Of Examination	
				Internal Assessment Marks	Semester Examination Marks
SEMESTER -III					
1111	Micro-Economics	5Hours	4	15	35
A1111	Money and Banking	2 Hours	1	15	35
SEMESTER - IV					
1211	Public Economics	5 Hours	4	15	35
I1211	Environmental Economics	2 Hours	1	15	35


Head
Department of Economics
Osmania University, Hyd-7.


Chairman
Board of Studies
Department of Economics
Osmania University, Hyd-7.

B.A. (ECONOMICS) IIIrd year

SEMESTER – Vth & Vith

(2018-19)

COURSE STRUCTURE

CHOICE BASED CREDIT SYSTEM PATTERN

Code	Semester	Name Of The Paper	Scheme Of Instruction/Hours Per Week	Credit	Scheme Of Examination	
					Internal Assessment Marks	Semester Examination Marks
SEMESTER – V						
	V(A)	Indian Economy	5 Hours	4	15	35
	V(B)	Public Finance	5 Hours	4	15	35
SEMESTER – VI						
	VI(A)	Indian Economy	5 Hours	4	4	35
	VI(B)	Public Finance & International Economics	5 Hours	4	4	35

Head
Department of Economics
Osmania University, Hyd-7.

Chairman
Board of Studies
Department of Economics
Osmania University, Hyd-7.

2018-2019

61

53

B.Sc (Maths, physics chemistry) and MECS ,MPCS programmesSUBJECT : Mathematics

Semester	Course/paper	Code no	Teaching hours per week	No of credits
I	Paper – I (THEORY) Differential calculus	6114	4hrs	3
	Paper I (Practicals)	6114P	2hrs	1
	Add – on Discrete mathematics	A114	2hrs	1
II	Paper – II (theory) Differential equations	6214	4hrs	3
	Paper –II (Practicals)	6214P	2hrs	1
	IDE Basic mathematics – I	16214	2hrs	1
III	Paper III (theory) Real analysis	6314	4hrs	3
	Paper – III (practicals)	6314P	2hrs	1
	Add – on Graph theory	A6314	2hrs	1
IV	Paper – IV (theory) Algebra	6414	4hrs	3
	Paper – iv (practical)	6414P	2hrs	1
	IDE Basic mathematics – II	16414	2hrs	1
V	Paper v (theory) Linear algebra	6514	6hrs	4
	Paper – V (Practicals)	6514P	2hrs	2
	Add – on Probability and statistic	A6514	2hrs	1
VI	Paper – VI (Theory) Numerical analysis	6614	6hrs	4
	Paper – VI (Practicals)	6614P	2hrs	2
	IDE Calculus	16614	2hrs	1

Dr. J. S. Ramesh
 Head of Department
 Department of Mathematics
 J. S. S. University
 Hyderabad-500 007.

Department of MATHEMATICS, OU
Proposed Choice Based Credit System (CBCS)
M.Sc Applied Mathematics 2017-18

Semester - I

S.No.	Code No	Paper	Paper Title	Hrs/Week	Internal Assessment	Semester Exam	Total Marks	Credits
1. Core	AM 101	I	Algebra	4	20	80	100	4
2. Core	AM 102	II	Analysis	4	20	80	100	4
3. Core	AM 103	III	Mathematical Methods	4	20	80	100	4
4. Core	AM 104	IV	Mechanics	4	20	80	100	4
5. Practical	AM 151	Practical	Algebra	4	....	50	50	2
6. Practical	AM 152	Practical	Analysis	4	....	50	50	2
7. Practical	AM 153	Practical	Mathematical Methods	4	....	50	50	2
8. Practical	AM 154	Practical	Mechanics	4	....	50	50	2
9. Add on Course			Total :	32	....	50	50	2
			Communication Skills	2	10	40	50	1

Department of Mathematics
Osmania University
Hyderabad-500 007.

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Department of MATHEMATICS,OU
Proposed Choice Based Credit System (CBCS)
M.Sc Applied Mathematics 2017-18

Semester -II

S.No.	Code No	Paper	Paper Title	Hrs/Week	Internal Assessment	Semester Exam	Total Marks	Credits
1. Core	AM 201	I	Advanced Algebra	4	20	80	100	4
2. Core	AM 202	II	Advanced Analysis	4	20	80	100	4
3. Core	AM 203	III	Complex Analysis	4	20	80	100	4
4. Core	AM 204	IV	Fluid Mechanics	4	20	80	100	4
5. Practicals	AM 251	Practical	Advanced Algebra	4	....	50	50	2
6. Practicals	AM 252	Practical	Advanced Analysis	4	....	50	50	2
7. Practicals	AM 253	Practical	Complex Analysis	4	....	50	50	2
8. Practicals	AM 254	Practical	Fluid Mechanics	4	....	50	50	2
9. Add on Course			Total :	32				24
			Basic of Computer	2	10	40	50	1

Chairperson
Secy in Math
Department of M
Osmania Univ
Hyderabad-500

94

83

Department of MATHEMATICS, **AUC**
 Proposed Choice Based Credit System (CBCS)
 M.Sc Applied Mathematics 2017-18

Semester -III

109

S.No.	Code No	Paper	Paper Title	Hrs/Week	Internal Assessment	Semester Exam	Total Marks	Credits
1. Core/Common	AM 301	I	Viscous Flows	4	20	80	100	4
2. Core/Common	AM 302	II	Finite Difference Methods	4	20	80	100	4
3. Elective	AM 303(A)	III(A)	Compressible Flows	4	20	80	100	4
	AM 303(B)	III(B)	Integral Transforms					
	AM 303(C)	III(C)	Differential Geometry					
4. Elective	AM 304(A)	IV(A)	Operations Research	4	20	80	100	4
	AM 304(B)	IV(B)	Numerical Techniques					
	AM 304 (C)	IV(C)	Dynamical Systems					
5. Practicals	AM 351	Practical	Viscous Flows	4	....	50	50	2
6. Practicals	AM 352	Practical	Finite Difference Methods	4	....	50	50	2
	AM 353(A)		Compressible Flows					
7. Practicals	AM 353 (B)		Integral Transforms	4	....	50	50	2
	AM 353 (C)	Practical	Differential Geometry					
	AM 354(A)		Operations Research					
8. Practicals	AM 354 (B)		Numerical Techniques	4	50	50	2
	AM 354 (C)	Practical	Dynamical Systems					
Total :				32	80	520	625	24

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Department of Mathematics
 Anna University,
 Hyderabad-500 007.

98

Department of MATHEMATICS, ~~OR~~ AUC
Proposed Choice Based Credit System (CBCS)
M.Sc Applied Mathematics 2017-18

Semester -IV

S.No.	Code No	Paper	Paper Title	Hrs/Week	Internal Assessment	Semester Exam	Total Marks	Credits
1. Core	AM 401	I	Advanced Complex Analysis	4	20	80	100	4
2. Core	AM 402	II	Finite Element Methods	4	20	80	100	4
3. Elective	AM 403(A)	III (A)	Integral Equations & Calculus of variations	4	20	80	100	4
	AM 403(B)	III (B)	MHD					
	AM 403(C)	III (C)	Bio-Mechanics					
4. Elective	AM 404(A)	IV(A)	Functional Analysis	4	20	80	100	4
	AM 404(B)	IV(B)	Discrete Mathematics					
	AM 404 (C)	IV(C)	Topology					
	AM 404 (D)	IV(D)	Project					
5. Practicals	AM 451	Practical	Advanced Complex Analysis	6	....	....	150	6
6. Practicals	AM 452	Practical	Finite Element Methods	4	....	50	50	2
	AM 453 (A)	Practical	Integral Equations & Calculus of variations	4	....	50	50	2
7. Practicals	AM 453 (B)	Practical	MHD	4	....	....	....	....
	AM 453 (C)	Practical	Bio - Mechanics					
	AM 454 (A)	Practical	Functional Analysis					
8. Practicals	AM 454 (B)	Practical	Discrete Mathematics	4	....	50	50	2
	AM 454 (C)	Practical	Topology					
9. Seminar			Total :	32	....	50	50	2
			Seminar	2	80	520	600	24
					25	1

Department of Mathematics
University of Hyderabad
Hyderabad-500 007.

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123

(E)

B.Sc.(Biotechnology, Microbiology & Chemistry)
Subject: MICROBIOLOGY (2018-19)

Semester	Course/paper	Code No	Teaching Hours/week	No of credits
I	Paper-I(Theory) General microbiology-I	6115	4hrs	4
	paper-I(prac.) AECC-I Environmental studies	6115p	2hrs	1
		A6115	2hrs	2
II	Paper II(theory) General Microbiology- II	6215	4hrs	4
	Paper-II(prac.) AECC-II Gendersensitization	6215p	2hrs	1
		A6215	2hrs	2
III	Paper III(Theory) Microbial physiology & Enzymology	6315	4hrs	4
	paper-III(prac.) Add-on Heamatology	6315p	2hrs	1
		A6315	2hrs	2
IV	paper-IV(Theory) microbial genetics & molecular biology	6415	4hrs	4
	paper- IV (prac.) IDE	6415p	2hrs	1
	Food adulteration	6415	2hrs	2
V	Paper-VA(Theory) Applied Microbiology-A	6515A	4hrs	4
	Paper-VA (Prac.) Paper-VB (Theory) Applied Microbiology-B	6515A(Prac.)	2hrs	1
	Paper-VB (Prac.) Add-on Mushroom Cultivation	6515B	4hrs	4
		6515B(Prac.)	2hrs	1
		A6515	2hrs	2
VI	Paper-VI A(Theory) Medical microbiology-A	6615A	4hrs	4
	Paper-VIA (Prac.) Paper-VIB(Theory) Immunology-B	6615A(Prac.)	2hrs	1
	Paper-VIB (Prac.) IDE	6615B	4hrs	4
		6615B(Prac.)	2hrs	1
	Hospital Management	6615	2hrs	2

Ravi
K. Chandra Babu
M. S. S. S. S.
S. S. S. S. S.
S. S. S. S. S.

ANWARUL ULOOM COLLEGE (Autonomous)

(An Autonomous Muslim Minority Institution)
New Mallepally, Hyderabad – 500 001, T. S., India.
(Affiliated to Osmania University)



Faculty of Social Sciences

Department of History

B. A. (History, Political Science & Modern Language – Urdu)
(2018 – 19)

Choice Based Credit System Pattern (w.e.f. 2015 – 16)

(Approved Syllabus for the Academic Year 2018 – 19)

S. No.	Year	Sem.	Paper	Title	Code No.	Inter. Marks	Sem. Marks	Teaching hours	Credits
1	1 st Year	I	I	History of India (from earliest times to 700 CE)	1113	15	35	5 Hrs	5
2			AECC – I	Environmental Studies		15	35	2 Hrs	2
3	1 st Year	II	II	History of India (from 700 – 1526 CE)	1213	15	35	5 Hrs	5
4			AECC – II	Gender Sensitization		15	35	2 Hrs	2
5	2 nd Year	III	III	History of India (from 1526 – 1857 CE)	1313	15	35	5 Hrs	4
6			Add-on	History and Culture of Telangana (1500 – 2014 CE)		15	35	2 Hrs	1
7	2 nd Year	IV	IV	History of India (from 1858 – 1964 CE)	1413	15	35	5 Hrs	4
8			I D E	History of Tourism In India		15	35	2 Hrs	1
9	3 rd Year	V	V A	World History (1453 - 1815 CE)	1513 A	15	35	5 Hrs	4
10			V B	Islamic History & Culture (from earliest times to fall of Ummayyads)	1513 B	15	35	5 Hrs	4
11			Add-on	Archives & Museums		15	35	2 Hrs	1
12	3 rd Year	VI	VIA	World History (1815 - 1950 CE)	1513 A	15	35	5 Hrs	4
13			VIB	Islamic History & Culture (Rise of Abbasids to Crusades)	1513 B	15	35	5 Hrs	4
14			I D E	History of World Tourism		15	35	2 Hrs	1

K. S. R. MAN
Board of Studies
Dept. of History
Anwarul-uloom College
Mallepally, Hyderabad

J. Sandhu
LECTURER
Govt. College for Women
Department of History
Hyderabad - T. A. Begumpet, Hyderabad.

B.A. (ECONOMICS) IST YEAR ✓

SEMESTER – Ist & IInd

(2018-19)

COURSE STRUCTURE

CHOICE BASED CREDIT SYSTEM PATTERN

Code	Name Of The Paper	Scheme Of Instruction/Hours Per Week	Credit	Scheme Of Examination	
				Internal Assessment Marks	Semester Examination Marks
SEMESTER - I					
1111	Micro-Economics	5 Hours	4	15	35
ADD ON COURSE					
A1111	Taxation	2 Hours	1	15	35
SEMESTER - II					
1211	Micro Economics	5 Hours	4	15	35
IDE					
I1211	Public Finance	2 Hours	1	15	35


Head
Department of Economics
Osmania University, Hyd-7.


Chairman
Board of Studies
Department of Economics
Osmania University, Hyd-7.

Anwarul Uloom College
 An Autonomous Institution, Affiliated to Osmania University
 Accredited by 'NAAC' with 'A' Grade

B.Sc. NUTRITION & DIETETICS
 [CHOICE BASED CREDIT SYSTEM (CBCS)]

FIRST YEAR - SEMESTER I			
Code	Course Title	Course Type	Credits
NZC 101	Entrepreneurial Studies	EECC-1A	2
NZC 102	English	CC-1A	5
NZC 103	Second Language	CC-2A	5
NZC 104	Nutritional Biochemistry	DSC-1A	4+1=5
NZC 105	Optional II	DSC-2A	4+1=5
NZC 106	Optional III	DSC-3A	4+1=5
TOTAL			27
SEMESTER II			
NZC 201	Gender Sensitization	AEECC-2	2
NZC 202	English	CC-1B	5
NZC 203	Second Language	CC-2B	5
NZC 204	Nutrition Through Life Cycle	DSC-1B	4+1=5
NZC 205	Optional II	DSC-2B	4+1=5
NZC 206	Optional III	DSC-3B	4+1=5
TOTAL			27
SECOND YEAR - SEMESTER III			
NZC 301	Food Preservation	SEC-1	2
NZC 302	English	CC-1C	5
NZC 303	Second Language	CC-2C	5
NZC 304	Introduction to Food Technology	DSC-1C	4+1=5
NZC 305	Optional II	DSC-2C	4+1=5
NZC 306	Optional III	DSC-3C	4+1=5
TOTAL			27
SEMESTER IV			
NZC 401	Food Safety	SEC-2	2
NZC 402	English	CC-1D	5
NZC 403	Second Language	CC-2D	5
NZC 404	Food Science	DSC-1D	4+1=5
NZC 405	Optional II	DSC-2D	4+1=5
NZC 406	Optional III	DSC-3D	4+1=5
TOTAL			27
THIRD YEAR - SEMESTER V			
NZC 501	Parent Counseling Skills	SEC-3	2
NZC 502	Diet Therapy - I	DSC-1E	4+1=5
NZC 503	Optional II	DSC-2E	4+1=5
NZC 504	Optional III	DSC-3E	4+1=5
NZC 505	A- Public Health	DSE-1E	3+1=4
NZC 506	B- Community Nutrition	DSE-2E	3+1=4
NZC 507	Optional II A/B/C	DSE-3E	3+1=4
TOTAL			36

Board of Studies in Nutrition
 Osmania University
 Hyderabad-500 070

Dr. P. Srinivasulu Reddy
 Director
 O.U.C.M. Hyderabad

Dr. S. Anwarul Uloom
 Head, Dept. of Nutrition
 Anwarul Uloom College
 Hyderabad

M. S. K.

SEMESTER VI		Credits	
NZC 601	Fundamentals of Foods and Nutrition	CE-1	4
NZC 602	Diet Therapy - II	DSC-II	4
NZC 603	Optional II	DSC-2F	4
NZC 604	Optional III	DSC-3F	4
NZC 605	A - Food Preservation B - Maternal and Child Nutrition	DSE-1F	4
NZC 606	Optional II A/B/C	DSE-2F	4
NZC 607	Optional III A/B/C	DSE-3F	4
TOTAL	TOTAL CREDITS		160

CC - Core Course
 AECC - Ability, Enhancement Compulsory Course
 DSC - Discipline Specific Core
 SEC - Skill Enhancement Course
 DSE - Discipline Specific Elective
 GE - Generic Elective
 HPW - Hours per week

SUMMARY OF CREDITS FOR B. Sc PROGRAM

S. No.	Course Category	No. of courses	Credits per course	Credits
1	AECC	2	2	4
2	SEC	3	3	6
3	CC	3	5	10
4	CC	3	3	60
5	DSC	12	4	24
6	DSC	6	4	24
7	DSE	6	4	24
7	GE	1	2	2
TOTAL	Optional (Total)	38		160
		24		108

M. V. R. I. L.

Chairman
 Board of Studies in Nutrition
 Osmania University,
 Hyderabad-500 007.

Former Head of Nutrition
 DEPT OF FOOD & NUTRITION
 O.U.C.W., EOTL, H.D.

V. Venkatesh Reddy
 Scientist & Head
 PESTICIDE RESIDUES LABORATORY
 (AICRP on Pesticide Residues)
 P.U.S. Agricultural University
 Rajendranagar, Hyderabad-500 030

ZOYAN GREEN
 Head, Dept of Nutrition,
 Amravati Union College,
 Malleshpet, Hyderabad.

DEPARTMENT OF NUTRITION AND DIETETICS

THEORY

2018-2021

Year	Semester	Paper code	Title of paper	Crs. hrs	Instruction hrs / wk	Duration of exam	Max marks
I	I	104	Nutritional Biochemistry	4	4	2	50
II	II	204	Nutrition Through the Life Cycle	4	4	2	50
II	III	304	Introduction to Food Technology	4	4	2	50
IV	IV	404	Food Science	4	4	2	50
III	V	502	Diet Therapy - I	3	3	2	50
	VI	505	A) Public Health B) Community Nutrition	3	3	2	50
	VII	602	Diet Therapy - II	3	3	2	50
	VIII	605	A) Food Preservation B) Maternal & Child Nutrition	3	3	2	50
TOTAL CREDITS				28			

PRACTICALS

Year	Semester	Paper	Title of paper	Credits	Instruction hrs / wk	Duration of exam	Max marks
I	I	I	Nutritional Biochemistry	1	2	2	25
II	II	II	Nutrition Through the Life Cycle	1	2	2	25
II	III	III	Introduction to Food Technology	1	2	2	25
IV	IV	IV	Food Science	1	2	2	25
III	V	V	Diet Therapy - I	1	2	2	25
	VI	VI	A) Public Health B) Community Nutrition	1	2	2	25
	VII	VII	Diet Therapy - II	1	2	2	25
	VIII	VIII	A) Food Preservation B) Maternal & Child Nutrition	1	2	2	25
TOTAL CREDITS				8			
Total Practical Marks							200
Total of Theory and Practical							400 (200 + 200) = 600

Note: Theory Total 50 marks (35 marks for final semester end exam and 15 marks for Average of 2 Internal Assessments)

MUNNA V
 Director of Studies in Nutrition
 Board of Studies in Nutrition
 Department of Nutrition
 Rajendranagar, Hyderabad-500 030

Dr. P. S. SESHIA
 Former Head B & I Section
 DEPT. OF FOOD & NUTRITION
 OU U.W. COLL. BHA

Dr. P. S. SESHIA
 Head
 (Group on Food & Nutrition)
 PITS Agricultural University
 Rajendranagar, Hyderabad-500 030

M.Sc. (Nutrition and Dietetics)
Choice Based Credit System (CBCS)
Syllabus

COURSE OUTLINE AND SCHEME OF EXAMINATION

Paper No.	Title	FIRST SEMESTER		Credits	Maximum Marks
		Instructions Hrs/Week	Duration of Examination		
Theory ND 101 (CORE)	Human Nutrition	4	3	4	100 (80+20)
(CORE) ND 102	Nutritional Biochemistry-I	4	3	4	100 (80+20)
(CORE) ND 103	Human Physiology	4	3	4	100 (80+20)
(CORE) ND 104	Principles of Dietetics	4	3	4	100 (80+20)
Practical ND 105 P	Human Nutrition	4	2	2	50
ND 106 P	Nutritional Biochemistry-I	4	2	2	50
ND 107 P	Human Physiology	4	2	2	50
ND 108 P	Principles of Dietetics	4	2	2	50
Total		16 T + 16P		24	600 (T + P)

Paper No.	Title	SECOND SEMESTER		Credits	Maximum Marks
		Instructions Hrs/Week	Duration of Examination		
Theory ND 201 (CORE)	Principles of Foods	4	3	4	100 (80+20)
(CORE) ND 202	Nutritional Biochemistry-II	4	3	4	100 (80+20)
(CORE) ND 203	Research Methodology	4	3	4	100 (80+20)
(CORE) ND 204	Diet in Disease	4	3	4	100 (80+20)
Practical ND 205 P	Principles of Foods	4	2	2	50
ND 206 P	Nutritional Biochemistry II	4	2	2	50
ND 207 P	Research Methodology	4	2	2	50
ND 208 P	Diet in Disease	4	2	2	50
Total		16 T + 16P		24	600 (T + P)

Dr. P. S. SHRESHA
 M. Sc., Ph. D. (CA)
 Former Head & Asst. Prof.
 DEPT. OF FOOD & NUTRITION
 O.U.C.W., Lucit, H.D.

V. S. SURESH
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Z. S. DREEM
 Head, Dept. of Nutrition
 Aravali Union, Hyderabad
 Malleshwari, Hyderabad

Chakraborty
 Head, Dept. of Nutrition
 Aravali Union, Hyderabad
 Malleshwari, Hyderabad

Dr. P. S. SHRESHA
 Hyderabad-500001

THIRD SEMESTER						
Paper No.	Title	Instruct ions Hrs/ Week	Duration of Examination	Credits	Maximum Marks	
ND 301 T (CORE)	Community Nutrition	4	3	4	100 (80+20)	
ND 302 T (CORE)	Food Microbiology	4	3	4	100 (80+20)	
ND 303 T (CORE) (ELECTIVE POOL)	i) Food Service Management ii) Institutional Food Management	4	3	4	100 (80+20)	
ND 304 T (Inter-disciplinary ELECTIVE)	Food Hygiene and sanitation	4	3	4	100 (80+20)	
ND 305 P (Practical)	Community Nutrition	4	2	2	50	
ND 306 P	Food Microbiology	4	2	2	50	
ND 307 P	i) Food Service Management ii) Institutional Food Management	4	2	2	50	
ND 308 P	Food Hygiene and sanitation	4	2	2	50	
	Total	32	2	24	600 (T+P)	

FOURTH SEMESTER						
Paper No.	Title	Instruct ions Hrs/ Week	Duration of Examination	Credits	Maximum Marks	
ND 401 T (CORE)	Advanced Nutrition	4	3	4	100 (80+20)	
ND 402 T (CORE)	Paediatric Nutrition	4	3	4	100 (80+20)	
ND 403 T (ELECTIVE)	i) Nutraceuticals and Functional Foods	4	3	4	100 (80+20)	

18.5.18
 Chairman in Nutrition
 Osmania University,
 Hyderabad-500 007.

Head of the Dept.
 Department of Nutrition
 Women's College for women
 Mahabubnagar, Tel-38

Former Head B. Asst. Prof. (C)
 DEPT. OF FOOD & NUTRITION
 O.U. C.W., Kurla, HYD.

Dr. P. ASHLESHA,
 M.Sc., Ph.D.

V. Anil Kumar
 Assistant Scientist & Head
 PESTICIDE RESIDUES LABORATORY
 (AICRP on Pesticide Residues)
 P.U.T.S. Agricultural University
 Rajampetnagar, Hyderabad-500 030

Head, Dept of Nutrition
 Amal of Uoem College,
 Mahabubnagar, Hyderabad

POOL)	4) Geriatric Nutrition and Immunology	5) Diet and Psychology Counselling SKILLS	6) Nutrition for Fitness and Sports	6D) Maternal and Child Nutrition	Hospital Internship in Nutrition and Dietetics	Internship-case studies presentation	Project Work - Collection of Data	Project Work- Report Writing and Presentation of Project Seminar	Total Marks	32	24	600	Theory
ND 404 F (ELECTIVE POOL)	4	3	4	4	2	2	2	2	32	24	600	Practical	
Practical ND 405 F					2	2	2	2			50		
ND 406 F					4	2	2	2			50		
ND 407 F					4	2	2	2			50		
ND 408 F					4	2	2	2			50		
Total Marks									32	24	600	Practical	

Grand Total Marks of all the Four Semesters = 600+600+600+600=2400

M. S. S. 15
 Chairman Nutrition
 Board of Studies in Nutrition,
 Osmania University,
 Hyderabad-500 007.

Head of the Dept.
 Department of Nutrition
 N. College for Women
 Hyderabad-500 028

J. Anuradha
 Dr. P. ASHLESHA,
 Former Head of
 DEPT. OF Food &
 Nutrition
 O.U.C.W., Kuvempu, H.D.

M. A. Akbar
 M. A. Akbar & Head
 PESTICIDE RESIDUES LABORATORY
 (A.I.P.S. on Pesticide Residues)
 P.U.S. Agricultural University
 Rajendranagar, Hyderabad-500 030

Zoya Nureen
 ZOYA NUREEN,
 Head, Dept. of Nutrition,
 Aravind Vidya College,
 Hyderabad-500 030

2018-2019

ANWAR UL ULOOM COLLEGE

(An Autonomous Muslim Minority Institution, Affiliated to Osmania University)

New Mallapally, Hyderabad-1

DEPARTMENT OF ELECTRONICS**STRUCTURE OF MODEL CURRICULUM FOR B.Sc. I, II & III YEAR****EFFECTIVE FROM THE ACADEMIC YEAR 2015-16 ON WARDS****AS PER THE CHOICE BASED CREDIT SYSTEM (CBCS)**

Class	Semester	Course/Paper	Code No	Teaching Hours Per week	No of Credits
1st Year	I	Paper - I (Theory) Circuit Analysis	6112	4 hrs	4
		Paper - I (CA-LAB)	6112P	2 hrs	1
		AECC-I Environmental Studies	A6112	2 hrs	2
	II	Paper - II (Theory) Electronic Devices	6212	4 hrs	4
		Paper -II (ED-LAB)	6212P	2 hrs	1
		AECC-II Gender Sensitization	A6212	2 hrs	2
2nd Year	III	Paper -III (Theory) Power Supplies & Analog Circuits	6312	4 hrs	4
		Paper -III(PS & AC-LAB)	6312P	2 hrs	1
		Add-on (SEC) Digital Signal Processing	A6312	2hrs	1
	IV	Paper -IV (Theory) Applications of operational Amplifier and Communication	6412	4 hrs	4
		Paper -V(DS- LAB)	6412P	2 hrs	1
		IDE Modern Communication system	I6412	2 hrs	1
3rd Year	V	Paper -V A-Digital Electronics	6512	4 hrs	4
		Paper -VA(DE-LAB)	6512P	2 hrs	1
		Paper -VB- Microprocessor 8085	6513	4 hrs	4
		Paper -VB(MP-LAB)	6513P	2 hrs	1
		Add-on (SEC) PIC & ATMEL Microcontrollers	A6512	2 hrs	1

for Hassan
Professor
Physics Department
University College of Sciences
Osmania University, Hyd-7.

Chair of Electronics
Head of the Dept of Electronics.
Anwar-ul-uloom College, Mallapally
Hyderabad.

		Paper -VI-A Fundamental of Embedded Systems	6612	4 hrs	4
		Paper -VI-A (ES-LAB)	6612P	2 hrs	2
		Paper -VI-B Microcontroller-8051	6613	4 hrs	4
	VI	Paper -VI B(MP 8051- LAB) IDE	6613P	2 hrs	2
		Microprocessor and Microcontroller	6612	2 hrs	1

Syn hatman
 Professor
 Physics Department
 University College of Sciences
 Osmania University, Hyd-7.

Shahid Hussain
 Head of the Dept. of Electronics,
 Anwar-ul-uloom College, Mallepally
 Hyderabad.

Faculty of Science/Arts/Commerce/Bachelor of Business Administration

COURSE STRUCTURE**Semester: I**

Paper Code	Course Paper	Teaching Hrs per week	Credits	Internal Assessment	External	Total Marks
0106	Paper I: Poetry, Prose, Grammar, Language Work	5 hrs	5	15	35	50
A0106	<u>Introduction to English Grammar</u> (Speaking Skills Reading Skills Writing Skills Listening Skills)	2 Hrs	1	15	35	50

Semester II

0206	Paper II: Poetry, Prose, Grammar, Language Work	5 hrs	5	15	35	50
IDE020	Business Communication Skills	2 hrs	1	15	35	50

Faculty of Science/Arts/Commerce/Bachelor of Business Administration

COURSE STRUCTURE**Semester: III**

Paper Code	Course Paper	Teaching Hrs per week	Credits	Internal Assessment	External	Total Marks
EE306	Paper I: Poetry, Prose, Grammar, Language Work	5 hrs	5	15	35	50
AE306	<u>Introduction to English Grammar II</u> (Speaking Skills Reading Skills Writing Skills Listening Skills)	2 Hrs	1	15	35	50

Semester IV

EE406	Paper II: Poetry, Prose, Grammar, Language Work	5 hrs	5	15	35	50
AE406	Advance Business Communication Skills	2 hrs	1	15	35	50

Anwarul Uloom College
 New Mallepally, Hyderabad-1
 (An Autonomous Muslim Minority Institution)
 (Affiliated to Osmania University, Hyderabad, Telangana State)
 M.A Previous (CBCS) Semester I/II

(Course Structure & Scheme of Examinations)

Paper No.	Code No.	Title	Hours/Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
					Max	Min.			
M. A. English 1st Year, I – Semester (CBCS)									
I	101	The English Language: History, Description and Practice	5 Hrs	20	80	32	100	5	3 Hrs
II	102	English Poetry	5 Hrs	20	80	32	100	5	3 Hrs
III	103	English Drama	5 Hrs	20	80	32	100	5	3 Hrs
IV	104	English Language and Phonetics	5 Hrs	20	80	32	100	5	3 Hrs
V	105	Modern Indian Literatures in Translation	5 Hrs	20	80	32	100	5	3 Hrs
		Total	25 Hrs				500	25	
M. A. English 1st Year, II – Semester (CBCS)									
I	201	English Language Teaching :History, Approaches and Methods	5 Hrs	20	80	32	100	5	3 Hrs
II	202	English Prose	5 Hrs	20	80	32	100	5	3 Hrs
III	203	English Fiction	5 Hrs	20	80	32	100	5	3 Hrs
IV	204	Women's writing	5 Hrs	20	80	32	100	5	3 Hrs
V	205	Twentieth Century Literary Criticism and Theory	5 Hrs	20	80	32	100	5	3 Hrs
		Total	25 Hrs				500	25	

Tutorials: 2 hours per week- No Credits

Notes:

For each paper there will be semester examination for 80 marks and 20 marks for internal assessment [15 marks for tests (average of the two tests) and 5 marks for assignment in the subject].

Anwarul Uloom College
 New Mallepally, Hyderabad-1
 (An Autonomous Muslim Minority Institution)
 (Affiliated to Osmania University, Hyderabad, Telangana State)
M.A Final (CBCS) Semester III/IV

(Course Structure & Scheme of Examinations)

No	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
						Max.	Min.			
M. A. English 2nd Year, III – Semester (CBCS)										
1	I	301	English Language Teaching: Classroom Techniques and Practical English	5 Hrs	20	80	32	100	5	3 Hrs
2	II	302	American Literature—I	5 Hrs	20	80	32	100	5	3 Hrs
3	III	303	Indian Writing in English—I	5 Hrs	20	80	32	100	5	3 Hrs
4	IV	304	Postcolonial Literatures	5 Hrs	20	80	32	100	5	3 Hrs
5	V	305	Literature and Film	5 Hrs	20	80	32	100	5	3 Hrs
			Total	25 Hrs				500	25	
M. A. English 2nd Year, IV – Semester (CBCS)										
1	I	401	English Language Teaching :History, Approaches and Methods	5 Hrs	20	80	32	100	5	3 Hrs
2	II	402	English Prose	5 Hrs	20	80	32	100	5	3 Hrs
3	III	403	English Fiction	5 Hrs	20	80	32	100	5	3 Hrs
4	IV	404	Women's writing	5 Hrs	20	80	32	100	5	3 Hrs
5	V	405	Twentieth Century Literary Criticism and Theory	5 Hrs	20	80	32	100	5	3 Hrs
			Total	25Hrs				500	25	

Tutorials: 2hours per week- No Credits

Notes:

For each paper there will be semester examination for 80 marks and 20 marks for internal assessment [15 marks for tests (average of the two tests) and 5 marks for assignment in the subject]

(Signature)
Dr. KAUSAR BEGUM KHAN
 HOD Dept of English
 ANWAR UL-ULOOM COLLEGE
 NEW MALLEPALLY, HYD.

COURSE: B.Sc., SUBJECT : PHYSICS**For M.P.C.* , M.P.E.* and M.P.Cs.* Students**

Semester	Course/ Paper	Teaching Hours Per Week	No. of Credits
I	Paper – I (Theory) Mechanics	4 hours	4
	Paper – I (Mechanics Lab)	2 hours	2
	AECC - I Environmental Studies	2 hours	2
II	Paper – II (Theory) Waves and Oscillations	4 hours	4
	Paper – II (Waves and Oscillations Lab)	2 hours	2
	AECC - II Gender Sensitization	2 hours	2
III	Paper – III (Theory) Thermal Physics	4 hours	4
	Paper – III (Thermal Physics Lab)	2 hours	2
	Add-on Solar Energy and its Collectors	2 hours	1
IV	Paper – IV (Theory) Optics	4 hours	4
	Paper – IV (Optics Lab)	2 hours	2
	IDE Storage and Utilization of Solar Energy	2 hours	1
V	Paper – V(A) (Theory) Electricity and Magnetism	4 hours	4
	Paper – V(A) (Lab)	2 hours	2
	Paper – V(B) (Theory) Maxwell's Equations and Electronics	4 hours	4
	Paper – V(B) (Lab)	2 hours	2
	Add-on Solar and Chemical Energy	2 hours	1
VI	Paper – VI(A) (Theory) Modern Physics	4 hours	4
	Paper – VI(A) (Lab)	2 hours	2
	Paper – VI(B) (Theory) Nuclear Physics, Solid State Physics	4 hours	4
	Paper – VI(B) (Lab)	2 hours	2
	IDE Mechanical and Geothermal Energy	2 hours	1

Chairman BOS, Dept. of Physics

ANWAR-UL-ULOOM COLLEGE

Note: AECC, Add-on and IDE Credits will not be counted for final result.

DEPARTMENT OF PHYSICS, ANWARUL ULOOM COLLEGE

ANWARUL ULOOM COLLEGE, MALLEPALLY, HYDERABAD.

M.Sc., Physics I YEAR

(for the batch admitted in I year from the academic year 2018-2019)

Scheme of Instruction and Examination

Semester – I



Sl. No.	Sub. Code	Subject	Instructions Hrs/Week	No. of Credits	Max. Marks
Theory :					
01	P 101	Mathematical Physics	4	4	20+80=100
02	P 102	Classical Mechanics	4	4	20+80=100
03	P 103	Quantum Mechanics – I	4	4	20+80=100
04	P 104	Solid State Physics	4	4	20+80=100
Practical's :					
05	P 105	Heat & Acoustics	6	4	100
06	P 106	Optics	6	4	100
		Total	28	24	600
Add – On Course :					
07	P 107	Communicative English & Soft Skills	3	2	10+40=50

Note : - Out of 100 Marks for each theory paper 20 Marks are allotted for internals and 80 marks for Theory exams. There shall be no internal assessment examinations for Practical's. Practical Examinations will be conducted at the end of each Semester. For Add – On course out of 50 marks paper 10 marks are allotted for internals and 40 marks for the semester theory examination.

Pattern of Question Paper : - The Question paper consists of two parts, each covering all the four units.

Part - A : consists of EIGHT (8) short note questions, (two from each Unit), carrying 4 marks each.

The student has to answer all the questions.

Part – B : consists of FOUR(4) essay type questions with an internal choice. Each question carries 12 marks.

Note: Add-on and IDE Credits will not be counted for final result.

ANWARUL ULOOM COLLEGE, MALLEPALLY, HYDERABAD.

M.Sc., Physics I YEAR

(for the batch admitted in I year from the academic year 2018-2019)

Scheme of Instruction and Examination

Semester – II



Sl. No.	Sub. Code	Subject	Instructions Hrs/Week	No. of Credits	Max. Marks
Theory :					
01	P 201	Electromagnetic Theory	4	4	20+80=100
02	P 202	Statistical Mechanics	4	4	20+80=100
03	P 203	Quantum Mechanics – II	4	4	20+80=100
04	P 204	Electronics	4	4	20+80=100
Practical's :					
05	P 205	Electronics	6	4	100
06	P 206	Computer Programming	6	4	100
		Total	28	24	600
IDE-Course :					
07	P 207	Basics of Computer Science	3	2	10+40=50

Note : - Out of 100 Marks for each theory paper 20 Marks are allotted for internals and 80 marks for Theory exams. There shall be no internal assessment examinations for Practical's. Practical Examinations will be conducted at the end of each Semester. For Add – On course out of 50 marks paper 10 marks are allotted for internals and 40 marks for the semester theory examination.

Pattern of Question Paper : - The Question paper consists of two parts, each covering all the four units.

Part - A : consists of EIGHT (8) short note questions, (two from each Unit), carrying 4 marks each.

The student has to answer all the questions.

Part – B : consists of FOUR(4) essay type questions with an internal choice. Each question carries 12 marks.

Note: Add-on and IDE Credits will not be counted for final result.

DEPARTMENT OF PHYSICS, ANWARUL ULOOM COLLEGE

Chairman BOS, Dept. of Physics
ANWAR-UL-ULOOM COLLEGE
Mallepally, Hyderabad-500 001.

ANWARUL ULOOM COLLEGE , MALLEPALLY , HYDERABAD.

M.Sc., Physics II YEAR

(for the batch admitted in I year from the academic year 2018-2019)

Scheme of Instruction and Examination

Semester – III



Sl. No.	Sub. Code	Subject	Instructions Hrs/Week	No. of Credits	Max. Marks
Theory :					
01	P 301	MODERN OPTICS	4	4	20+80=100
02	P 302	ADVANCED SOLID STATE PHYSICS	4	4	20+80=100
03	PEI 303	DIGITAL LOGIC CIRCUITS	4	4	20+80=100
04	PEI 304	MICROPROCESSORS, DSPs & INTERFACING	4	4	20+80=100
05	PEI 305	ELECTRONIC INSTRUMENTATION	4	4	20+80=100
Practical's :					
06	P 306	SPECTROSCOPY	6	4	100
07	P 307	ANALOG AND DIGITAL SIMULATION	6	4	100
		Total	32	28	700
Add – On Course :					
08	P 308	Principles of Electrical Appliances	3	2	40+10=50

Note : - Out of 100 Marks for each theory paper 20 Marks are allotted for internals and 80 for Theory exam. There shall be no internal assessment examinations for Practical's. Practical Examinations will be conducted at the end of each Semester.

Pattern of Question Paper : - The Question paper consists of two parts, each covering all the four units.

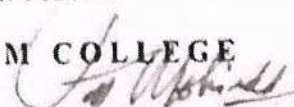
Part - A : consists of EIGHT (8) short note questions, (two from each Unit), carrying 4 marks each.

The student has to answer all the questions.

Part – B : consists of FOUR(4) essay type questions with an internal choice. Each question carries 12 marks.

Note: Add-on and IDE Credits will not be counted for final result.

DEPARTMENT OF PHYSICS, ANWARUL ULOOM COLLEGE


 Chairman BOS, Dept. of Physics
 ANWAR-UL-ULOOM COLLEGE
 Mallepally, Hyderabad-500 001.

ANWARUL ULOOM COLLEGE, MALLEPALLY, HYDERABAD.

M.Sc., Physics II YEAR(for the batch admitted in I year from the academic year 2018-2019)
Scheme of Instruction and Examination**Semester – IV**

Sl. No.	Sub. Code	Subject	Instructions Hrs/Week	No. of Credits	Max. Marks
Theory :					
01	P 401	NUCLEAR PHYSICS	4	4	20+80=100
02	P 402	SPECTROSCOPY	4	4	20+80=100
03	PEI 403	EMBEDDED SYSTEMS AND ITS APPLICATIONS	4	4	20+80=100
04	PEI 404	PC ARCHITECTURE	4	4	20+80=100
05	PEI 405	INSTRUMENTATION FOR MEASUREMENT, CONTROL, DATA ACQUISITION AND DATA TRANSMISSION	4	4	20+80=100
Practical's :					
06	P 406	NUCLEAR PHYSICS	6	4	100
07	P 407	MICROPROCESSORS(8086) & MICROCONTROLLERS(8051)	6	4	100
		Total	32	28	700
IDE- Course :					
08	P 408	SOLAR ENERGY UTILIZATION	3	2	40+10=50

Note : - Out of 100 Marks for each theory paper 20 Marks are allotted for internals and 80 for Theory exam. There shall be no internal assessment examinations for Practical's. Practical Examinations will be conducted at the end of each Semester.

Pattern of Question Paper : - The Question paper consists of two parts, each covering all the four units.

Part - A : consists of EIGHT (8) short note questions, (two from each Unit), carrying 4 marks each. The student has to answer all the questions.

Part – B : consists of FOUR(4) essay type questions with an internal choice. Each question carries 12 marks.

Note: Add-on and IDE Credits will not be counted for final result.

DEPARTMENT OF PHYSICS, ANWARUL ULOOM COLLEGE

Chairman BOS, Dept. of Physics
ANWAR-UL-ULOOM COLLEGE
Mallepally, Hyderabad-500 001.

ANWARUL ULOOM COLLEGE (Autonomous)

(An Autonomous Muslim Minority Institution)
New Mallepally, Hyderabad – 500 001, A.P., India.
(Affiliated to Osmania University)



Faculty of Arts

Department of Urdu

(2018 – 19)

Subjects: Second Language Urdu and Modern Language Urdu,
Degree First Year, I & II - Semester

S. No.	Semester	Course Paper	Code No.	Teaching hours per week	Credits	w. e. f
1	I	Second Language Urdu	0102	4	4	2015 – 16
2	II	Second Language Urdu	0202	4	4	2015 – 16
3	III	Modern Language Urdu	1116	5	5	2015 – 16
4	IV	Modern Language Urdu	1216	5	5	2015 – 16

N. Abdul
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Shahid

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New Mallepally, Hyderabad – 500 001, A.P., India.
(Affiliated to Osmania University)



Faculty of Arts

Department of Urdu

(Pattern based on Choice Based Credit System)

Second Language Urdu (2018 – 19)

Code	Name of the Paper	Scheme of Instruction / Hours per week	Credit	Internal Assessment Marks	Semester (End) Examination Marks
I – Semester					
	Mutalaya Adab (Part – I) (Ghazals: I – IV) (Poems: I – IV) (Prose: I – IV)	4	4	15	35
	AECC – I Paper: Environmental Studies	2	2	0	50
II – Semester					
	Mutalaya Adab (Part – I) (Ghazals: I – IV) (Poems: I – III) (Prose: I – III)	4	4	15	35
	AECC – II Paper: Gender Sensitization	2	2	0	50

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ANWARUL ULOOM COLLEGE (Autonomous)

(An Autonomous Muslim Minority Institution)
New Mallepally, Hyderabad – 500 001, A.P., India.
(Affiliated to Osmania University)



Faculty of Arts Department of Urdu

(2018 – 19)

Subjects: Second Language Urdu and Modern Language Urdu,
Degree Second Year, III & IV - Semesters

S. No.	Semester	Course Paper	Code No.	Teaching hours per week	Credits	w.e.f
1	III	Second Language Urdu	0302	4	3	2018 – 19
2	IV	Second Language Urdu	0402	4	3	2018 – 19
3	III	Modern Language Urdu	1316	5	4	2018 – 19
4	IV	Modern Language Urdu	1416	5	4	2018 – 19

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Shankar

ANWARUL ULOOM COLLEGE (Autonomous)

(An Autonomous Muslim Minority Institution)
New Mallepally, Hyderabad – 500 001, A.P., India.
(Affiliated to Osmania University)



Faculty of Arts

Department of Urdu

(Pattern based on Choice Based Credit System)

Second Language Urdu (2018 – 19)

Code	Name of the Paper	Scheme of Instruction / Hours per week	Credit	Internal Assessment Marks	Semester (End) Examination Marks
III – Semester					
	Mutalaya Adab (Part – II) (Poetry: I – IV) (Poems: I – IV) (Prose: I – IV)	4	3	15	35
	Add – on Paper: Urdu Sahafat	2	1	15	35
IV – Semester					
	Mutalaya Adab (Part – II) (Poetry: I – IV) (Poems: I – III) (Prose: I – III)	4	3	15	35
	I D E Paper: Tahseen – e – Shair	2	1	15	35

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ANWARUL ULOOM COLLEGE (Autonomous)

(An Autonomous Muslim Minority Institution)
New Mallepally, Hyderabad – 500 001, A.P., India.
(Affiliated to Osmania University)



Faculty of Arts Department of Urdu

(2018 – 19)

Subjects: Modern Language Urdu , Degree Third Year, V & VI - Semesters

S. No.	Semester	Course Paper	Code No.	Teaching hours per week	Credits	w. e. f
1	V A	Modern Language Urdu	1516	5	5	2018 – 19
2	V B	Modern Language Urdu	1516	5	5	2018 – 19
3	VI A	Modern Language Urdu	1616	5	5	2018 – 19
4	VI B	Modern Language Urdu	1616	5	5	2018 – 19

M. Akbar
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Anwarul Uloom College (Autonomous)

New Mallepally, Hyderabad
Affiliated to Osmania University
(Re-Accredited with NAAC with A – Grade)



Faculty of Science

Department of Zoology

B. Sc. (B.Z.C., N. Z. C.)

Course Structure in Part – II (2018 – 19)

S. No.	Year	Sem	Paper / Title	Teaching Hours / Week	Units	Credits	Marks		
							Internal Assessment	External Assessment	Total
1	1 st Year	I	Animal Diversity (Invertebrates) – Theory	4	4	4	15	35	50
2			Animal Diversity (Invertebrates) – Practicals	2	–	1	–	–	25
3			Add on course- Instrumentation and Techniques in Biology	2	2	2	–	–	50
4			AECC - Environmental Studies						
5	1 st Year	II	Ecology, Zoogeography and Animal Behaviour	4	4	4	15	35	25
6			Ecology, Zoogeography and Animal Behaviour Practicals	4	–	2	–	–	50
7			Gender Sensitization (AECC-II)	2	2	2	–	–	50
8			IDE Course Health and Wellness						
9	2 nd Year	III	Biology of Chordates - I, Embryology	4	4	4	15	35	50
10			Chordate and Embryology Practicals	2	–	1	–	–	25
11	2 nd Year	IV	Cell Biology, Genetics & Evolution – Theory	4	4	4	15	35	50

12			Cell Biology, Genetics & Evolution – Practical	2	–	1	–	–	25
13			IDE Course - Pet Care	2	2	2	–	–	50

14	3 rd Year	V	Zoology V A (Animal Physiology)– Theory	4	4	4	15	35	50
15			Zoology V A ((Animal Physiology) – Practicals	2	–	1	–	25	25
16			Zoology V B-Genetics	4	4	4	15	35	50
17			Zoology V B-- Genetics – Practicals	2	–	1	–	25	25
18			Add on Course - Aquarium Keeping	2	2	2	–	50	50
19	3 rd Year	VI	Zoology VI A (Fisheries & Haematology) – Theory	4	4	4	15	35	50
20			Zoology VI A (Fisheries & Haematology) – Practicals	2	–	1	–	25	25
21			Zoology VI B (Immunology & Biotechnology) – Theory	4	4	4	15	35	50
22			Zoology VI B (Immunology & Biotechnology) – Practicals	2	–	1	–	25	25

AECC – Ability Enhancement Compulsory Course

Head of the Department

**Dept. of Zoology
A.U. College, Hyderabad**



Indian Commerce

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Dear Concern Welcome to the ICA family! This is to inform you that your institutional membership id is PT 163. The receipt and certifica



Dr. Md Aijaz Khan <auciqac2018@gmail.com>
to asim_khan99, affannohi, nsrrikan

Thu, Jan



Reply

Reply all


Forward

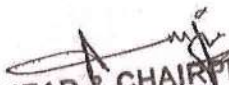
Anwarul Uloom College New Mallepally, Hyderabad-1
(An Autonomous Muslim Institution Affiliated to Osmania University)
B.A, B.Sc, B.Com & B.B.A

Department of Arabic 2017 - Onwards

Subject: Arabic semester I / II / III / IV

Semester	Course Paper	Code num.	Teaching hrs per week	Credits
I	Paper I: Classical prose, poetry, translation and History of Arabic Literature	0101	4hours	3
II	Paper II: Classical prose, poetry, translation and History of Arabic Literature	0201	4 hours	3
III	Paper III : Classical prose poetry, translation and History of Arabic Literature	0301	4 hours	3
IV	Paper IV: Classical prose poetry translation and History of Arabic Literature	0401	4 hours	3


Prof. Dr. MEHJABEEN AKTHER
Chairperson-Board of Studies
Dept of ARABIC
Osmania University. Hyd.T.S.

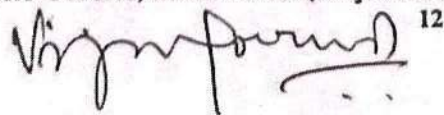

HEAD & CHAIRPERSON
BOARD OF STUDIES
DEPT. OF ARABIC
Anwarul Uloom College (Autonomous)
New Mallepally, Hyderabad.

STRUCTURE OF B.COM.DEGREE COURSE w.e.f. ACADEMIC YEAR 2017-18

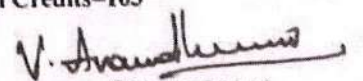
SL No.	FIRST YEAR SEMESTER-I		PPW	PPW(T+P)	CREDITS
	Code	Title of the Paper			
1	BCO101	Financial Accounting - I	6 Hrs	4+2	4
2	BCO102	Business Economics	4 Hrs	2+2	3
3	BCO103	Business Organization	4 Hrs	2+2	3
4	BCO104	Information Technology	4T+2P Hrs	4+2	3
5	A105	Retail Management (Add On)	2 Hrs	2	1
SEMESTER-II					
6	BCO201	Financial Accounting - II	6 Hrs	4+2	4
7	BCO202	Managerial Economics	6 Hrs	4+2	4
8	BCO203	Principles of Management	4 Hrs	2+2	3
9	BCO204	Foreign Trade	4 Hrs	2+2	3
10	IDE 205	Elements of commerce	2 Hrs	2	1
11	CVW 206	NCC/NSS/Sports	2 Hrs	1	1
12	HVPE 207	Human Values & Professional Ethics	2 Hrs	1	1
SECOND YEAR SEMESTER-III					
13	BCO301	Advanced Accounting	6 Hrs	4+2	4
14	BCO302	Business Statistics-I	5Hrs	3+2	3
15	BCO303	Income Tax-I	5 Hrs	3+2	3
16	BCC304	Entrepreneurial Development & Business Ethics	4 Hrs	2+2	3
17	A 305	Insurance Business (Add On)	2 Hrs	2	1
SEMESTER-IV					
18	BCO401	Corporate Accounting	6 Hrs	4+2	4
19	BCO402	Business Statistics-II	5Hrs	3+2	3
20	BCO403	Income Tax-II	5Hrs	3+2	3
21	BCO404	Auditing	4 Hrs	3+2	3
22	IDE 405	Tourism Marketing	2 Hrs	2	1
23	CVW 406	NCC/NSS/Sports	2 Hrs	1	1
24	ES407	Environment Science	2 Hrs	1	1
THIRD YEAR SEMESTER-V					
25	BCO501	Cost Accounting	6Hrs	4+2	4
26	BCO502	Business Law	5Hrs	3+2	3
27	BCO503	Banking Theory & Practice	4Hrs	2+2	3
28	BCO504	Computerized Accounting	3T+2PHrs	3+2	3
29	BCO505	Financial Management	5 Hrs	3+2	3
30	BCO506	Principles of Marketing	5 Hrs	3+2	3
31	BCO507	E Banking	2 Hrs	2	1
SEMESTER-VI					
32	BCO601	Managerial Accounting	6Hrs	3+2	4
33	BCO602	Company Law	5Hrs	3+2	3
34	BCO603	Financial Institutions & Markets	5Hrs	3+2	3
35	BCO604	Commerce Lab	4Hrs	2+2	3
36	BCC605	Human Resources Management	5 Hrs	3+2	3
37	BCC606	Tax Planning & Management	5 Hrs	3+2	3
38	IDE 607	Event Management	2 Hrs	2	1
39	CVW608	NCC/NSS/Sports	2 Hrs	1	1
40	S&C609	Science & Civilization	2 Hrs	1	1
		TOTAL	140+24=164 Hrs	82+58+24=164	103

Notation: T - Theory; P - Practical; R - Report; VV - Viva-Voce Examination, CL - Commerce Lab

Commerce Papers=140 Hrs; CBCS Pattern, Subjects=24 Hrs; Total=164 Hrs; Total Credits=103



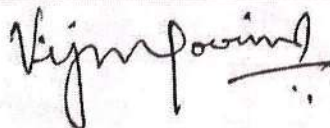
Dr. A. VIJAYA GOVIND
HOD COMMERCE
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HYDERABAD, T.S.


CHAIRMAN
Board of Studies in Commerce
Osmania University
Hyderabad - 500 007 (A.P.)

STRUCTURE OF B.COM DEGREE COURSE w.e.f. ACADEMIC YEAR 2017-'18

FIRST YEAR				
SEMESTER-I				
<i>Code</i>	<i>Title of the Paper</i>	<i>PPW</i>	<i>Exam Duration</i>	<i>Max. Marks</i>
BCO101	Financial Accounting – I	6 Hrs	2 Hrs	50
BCO102	Business Economics	4 Hrs	2 Hrs	50
BCO103	Business Organization	4 Hrs	2 Hrs	50
BCO104	Information Technology	4T+2P Hrs	2 Hrs	35T+15P
SEMESTER-II				
BCO201	Financial Accounting – II	6 Hrs	2 Hrs	50
BCO202	Managerial Economics	6 Hrs	2 Hrs	50
BCO203	Principles of Management	4 Hrs	2 Hrs	50
BCO204	Foreign Trade	4 Hrs	2 Hrs	50
SECOND YEAR				
SEMESTER-III				
BCO301	Advanced Accounting	6 Hrs	2 Hrs	50
BCO302	Business Statistics-I	5Hrs	2 Hrs	50
BCO303	Income Tax-I	5 Hrs	2 Hrs	50
BCO304	Entrepreneurial Development & Business Ethics	4 Hrs	2 Hrs	50
SEMESTER-IV				
BCO401	Corporate Accounting	6 Hrs	2 Hrs	50
BCO402	Business Statistics-II	5Hrs	2 Hrs	50
BCO403	Income Tax-II	5Hrs	2 Hrs	50
BCO404	Auditing	4 Hrs	2 Hrs	50
THIRD YEAR				
SEMESTER-V				
BCO501	Cost Accounting	6Hrs	2 Hrs	50
BCO502	Business Law	5Hrs	2 Hrs	50
BCO503	Banking Theory & Practice	4Hrs	2 Hrs	50
BCO504	Computerized Accounting	3T+2PHrs	2 Hrs	35T+15P
BCO505	Financial Management	5 Hrs	2 Hrs	50
BCO506	Principles of Marketing	5 Hrs	2 Hrs	50
SEMESTER-VI				
BCO601	Managerial Accounting	6Hrs	2 Hrs	50
BCO602	Company Law	5Hrs	2 Hrs	50
BCO603	Financial Institutions & Markets	5Hrs	2 Hrs	50
BCO604	Commerce Lab	4Hrs	-	35R+15VV
BCO605	Human Resources Management	5 Hrs	2 Hrs	50
BCO606	Tax Planning & Management	5 Hrs	2 Hrs	50
	Total	140Hrs	54 Hrs	1400

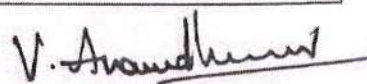
Notation: T – Theory; P – Practical; R – Report; VV – Viva-Voce Examination.



13

Dr. A. VIJAYA GOVIND

ANWARUL ULOOM COLLEGE (Autonomous)
HYDERABAD, T.S.



CHAIRMAN

Board of Studies in Commerce
Osmania University
Hyderabad - 500 007 (A.P.)

STRUCTURE OF B.COM (Computer Application) DEGREE COURSE

FIRST YEAR				
SEMESTER-I				
Code	Title of the Paper	PPW	PPW(T+P)	CREDITS
BCO101	Financial Accounting – I	6 Hrs	4+2	4
BCO102	Business Economics	4 Hrs	2+2	3
BCO103	Business Organization	4 Hrs	2 +2	3
BCO104	Information Technology	4T+2P Hrs	4+2	3
A105	Retail Management (Add On)	2 Hrs	2	1
SEMESTER-II				
BCO201	Financial Accounting – II	6 Hrs	4+2	4
BCO202	Managerial Economics	6 Hrs	4+2	4
BCO203	Principles of Management	4 Hrs	2+2	3
BCO204	Foreign Trade	4 Hrs	2 +2	3
IDE 205	Elements of commerce	2 Hrs	2	1
CVW 206	NCC/NSS/Sports	2 Hrs	1	1
HVPE 207	Human Values & Professional Ethics	2 Hrs	1	1
SECOND YEAR				
SEMESTER-III				
BCO301	Advanced Accounting	6 Hrs	4+2	4
BCO302	Business Statistics-I	5Hrs	3+2	3
BCO303	Income Tax-I	5 Hrs	3+2	3
BCC304	Programming with C	2T + 2P Hrs	2+2	3
A 305	Insurance Business (Add On)	2 Hrs	2	1
SEMESTER-IV				
BCO401	Corporate Accounting	6 Hrs	4+2	4
BCO402	Business Statistics-II	5Hrs	3+2	3
BCO403	Income Tax-II	5Hrs	3+2	3
BCO404	Auditing	4 Hrs	3+2	3
IDE 405	Tourism Marketing	2 Hrs	2	1
CVW 406	NCC/NSS/Sports	2 Hrs	1	1
ES407	Environment Science	2 Hrs	1	1
THIRD YEAR				
SEMESTER-V				
BCO501	Cost Accounting	6Hrs	4+2	4
BCO502	Business Law	5Hrs	3+2	3
BCO503	Banking Theory & Practice	4Hrs	2 +2	3
BCO504	Computerized Accounting	3T+2PHrs	3+2	3
BCC/E505	E-Commerce	3T + 2P Hrs	3+2	3
BCC506	Objective Oriented Programming with C++	3T + 2P Hrs	3+2	3
BCO507	E Banking	2 Hrs	2	1
SEMESTER-VI				
BCO601	Managerial Accounting	6Hrs	3+2	4
BCO602	Company Law	5Hrs	3+2	3
BCO603	Financial Institutions & Markets	5Hrs	3+2	3
BCO604	Commerce Lab	4Hrs	2+2	3
BCC605	Web Technologies	3T + 2P Hrs	3+2	3
BCC606	Relational Database Management Systems	3T + 2P Hrs	3+2	3
IDE 607	Event Management	2 Hrs	2	1
CVW608	NCC/NSS/Sports	2 Hrs	1	1
S&C 609	Science & Civilization	2 Hrs	1	1
	TOTAL	164Hrs	84+56+24=164	103

Notation: T – Theory; P – Practical; R – Report; VV – Viva-Voce Examination.

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14

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Dr. A. VIJAYA GOVIND
HOD COMMERCE
Anwarul Uloom College (Autonomous)
HYDERABAD, T.S.

STRUCTURE OF B.COM (Computer Application) DEGREE COURSE
w.e.f. ACADEMIC YEAR 2017-'18

FIRST YEAR				
SEMESTER-I				
<i>Code</i>	<i>Title of the Paper</i>	<i>PPW</i>	<i>Exam Duration</i>	<i>Max. Marks</i>
BCO101	Financial Accounting – I	6 Hrs	2 Hrs	50
BCO102	Business Economics	4 Hrs	2 Hrs	50
BCO103	Business Organization	4 Hrs	2 Hrs	50
BCO104	Information Technology	4T+2P Hrs	2 Hrs	35T+15P
SEMESTER-II				
BCO201	Financial Accounting – II	6 Hrs	2 Hrs	50
BCO202	Managerial Economics	6 Hrs	2 Hrs	50
BCO203	Principles of Management	4 Hrs	2 Hrs	50
BCO204	Foreign Trade	4 Hrs	2 Hrs	50
SECOND YEAR				
SEMESTER-III				
BCO301	Advanced Accounting	6 Hrs	2 Hrs	50
BCO302	Business Statistics-I	5Hrs	2 Hrs	50
BCO303	Income Tax-I	5 Hrs	2 Hrs	50
BCC304	Programming with C	2T + 2P Hrs	2 Hrs	35T + 15P
SEMESTER-IV				
BCO401	Corporate Accounting	6 Hrs	2 Hrs	50
BCO402	Business Statistics-II	5Hrs	2 Hrs	50
BCO403	Income Tax-II	5Hrs	2 Hrs	50
BCO404	Auditing	4 Hrs	2 Hrs	50
THIRD YEAR				
SEMESTER-V				
BCO501	Cost Accounting	6Hrs	2 Hrs	50
BCO502	Business Law	5Hrs	2 Hrs	50
BCO503	Banking Theory & Practice	4Hrs	2 Hrs	50
BCO504	Computerized Accounting	3T+2PHrs	2 Hrs	35T+15P
BCC/E505	E-Commerce	3T + 2P Hrs	2 Hrs	35T+15P
BCC506	Objective Oriented Programming with C++	3T + 2P Hrs	2 Hrs	35T+15P
SEMESTER-VI				
BCO601	Managerial Accounting	6Hrs	2 Hrs	50
BCO602	Company Law	5Hrs	2 Hrs	50
BCO603	Financial Institutions & Markets	5Hrs	2 Hrs	50
BCO604	Commerce Lab	4Hrs	-	35R+15VV
BCC605	Web Technologies	3T + 2P Hrs	2 Hrs	35T+15P
BCC606	Relational Database Management Systems	3T + 2P Hrs	2 Hrs	35T+15P
	TOTAL	140Hrs	54 Hrs	1400

Notation: T – Theory; P – Practical; R – Report; VV – Viva-Voce Examination.

Vijay Govind

15

V. Anand Kumar
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Board of Studies in Commerce
Osmania University
Hyderabad - 500 007 (A.P.)

Dr. A VIJAYA GOVIND
HOD COMMERCE
Anwarul Uloom College (Autonomous)
HYDERABAD, T.S.

STRUCTURE OF B.Com (E-COMMERCE) DEGREE COURSE

Sl. No.	FIRST YEAR SEMESTER-I				
	Code	Title of the Paper	PPW	PPW(T+P)	CREDITS
1	BCO101	Financial Accounting – I	6 Hrs	4+2	4
2	BCO102	Business Economics	4 Hrs	2+2	3
3	BCO103	Business Organization	4 Hrs	2 +2	3
4	BCO104	Information Technology	4T+2P Hrs	4+2	3
5	A105	Retail Management (Add On)	2 Hrs	2	1
SEMESTER-II					
6	BCO201	Financial Accounting – II	6 Hrs	4+2	4
7	BCO202	Managerial Economics	6 Hrs	4+2	4
8	BCO203	Principles of Management	4 Hrs	2+2	3
9	BCO204	Foreign Trade	4 Hrs	2 +2	3
10	IDE 205	Elements of commerce	2 Hrs	2	1
11	CVW 206	NCC/NSS/Sports	2 Hrs	1	1
12	HVPE 207	Human Values & Professional Ethics	2 Hrs	1	1
SECOND YEAR SEMESTER-III					
13	BCO301	Advanced Accounting	6 Hrs	4+2	4
14	BCO302	Business Statistics-I	5Hrs	3+2	3
15	BCO303	Income Tax-I	5 Hrs	3+2	3
16	BCC304	Web Technologies	4 Hrs	2+2	3
17	A 305	Insurance Business (Add On)	2 Hrs	2	1
SEMESTER-IV					
18	BCO401	Corporate Accounting	6 Hrs	4+2	4
19	BCO402	Business Statistics-II	5Hrs	3+2	3
20	BCO403	Income Tax-II	5Hrs	3+2	3
21	BCO404	Auditing	4 Hrs	3+2	3
22	IDE 405	Tourism Marketing	2 Hrs	2	1
23	CVW 406	NCC/NSS/Sports	2 Hrs	1	1
24	ES407	Environmental Science	2 Hrs	1	1
THIRD YEAR SEMESTER-V					
25	BCO501	Cost Accounting	6Hrs	4+2	4
26	BCO502	Business Law	5Hrs	3+2	3
27	BCO503	Banking Theory & Practice	4Hrs	2 +2	3
28	BCO504	Computerized Accounting	3T+2PHrs	3+2	3
29	BCC/E505	E-Commerce	3T+2P Hrs	3+2	3
30	BCC506	Principles of Marketing	5 Hrs	3+2	3
31	BCO507	E Banking	2 Hrs	2	1
SEMESTER-VI					
32	BCO601	Managerial Accounting	6Hrs	3+2	4
33	BCO602	Company Law	5Hrs	3+2	3
34	BCO603	Financial Institutions & Markets	5Hrs	3+2	3
35	BCO604	Commerce Lab	4Hrs	2+2	3
36	BCC605	Supply Chain Management Logistics	5 Hrs	3+2	3
37	BCC606	Retail Marketing	5 Hrs	3+2	3
38	IDE 607	Event Management	2 Hrs	2	1
39	CVW608	NCC/NSS/Sports	2 Hrs	1	1
40	S&C609	Science & Civilization	2 Hrs	1	1
		TOTAL	164 Hrs	84+56+24=164	103

Notation: T – Theory; P – Practical; R – Report; VV – Viva-Voce Examination.

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16

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Dr. A. VIJAYA GOVIND
HOD COMMERCE
Anwarul Uloom College (Autonomous)
HYDERABAD, T.S.

STRUCTURE OF B.COM (E-COMMERCE) DEGREE COURSE w.e.f. ACADEMIC YEAR 2017-18				
FIRST YEAR				
SEMESTER-I				
Code	Title of the Paper	PPW	Exam Duration	Max. Marks
BCO101	Financial Accounting – I	6 Hrs	2 Hrs	50
BCO102	Business Economics	4 Hrs	2 Hrs	50
BCO103	Business Organization	4 Hrs	2 Hrs	50
BCO104	Information Technology	4T+2P Hrs	2 Hrs	35T+15P
SEMESTER-II				
BCO201	Financial Accounting – II	6 Hrs	2 Hrs	50
BCO202	Managerial Economics	6 Hrs	2 Hrs	50
BCO203	Principles of Management	4 Hrs	2 Hrs	50
BCO204	Foreign Trade	4 Hrs	2 Hrs	50
SECOND YEAR				
SEMESTER-III				
BCO301	Advanced Accounting	6 Hrs	2 Hrs	50
BCO302	Business Statistics-I	5Hrs	2 Hrs	50
BCO303	Income Tax-I	5 Hrs	2 Hrs	50
BCE304	Web Technologies	2T+2P Hrs	2 Hrs	35T+15P
SEMESTER-I				
BCO401	Corporate Accounting	6 Hrs	2 Hrs	50
BCO402	Business Statistics-II	5Hrs	2 Hrs	50
BCO403	Income Tax-II	5Hrs	2 Hrs	50
BCO404	Auditing	4 Hrs	2 Hrs	50
THIRD YEAR				
SEMESTER-V				
BCO501	Cost Accounting	6Hrs	2 Hrs	50
BCO502	Business Law	5Hrs	2 Hrs	50
BCO503	Banking Theory & Practice	4Hrs	2 Hrs	50
BCO504	Computerized Accounting	3T+2PHrs	2 Hrs	35T+15P
BCC/E505	E-Commerce	3T+2PHrs	2 Hrs	35T+15P
BCO/E506	Principles of Marketing	5 Hrs	2 Hrs	50
SEMESTER-VI				
BCO601	Managerial Accounting	6Hrs	2 Hrs	50
BCO602	Company Law	5Hrs	2 Hrs	50
BCO603	Financial Institutions & Markets	5Hrs	2 Hrs	50
BCO604	Commerce Lab	4Hrs	-	35R+15VV
BCE605	Supply Chain Management Logistics	5 Hrs	2 Hrs	50
BCE606	Retail Marketing	5 Hrs	2 Hrs	50
	TOTAL	140Hrs	54 Hrs	1400

Notation: T – Theory; P – Practical; R – Report; VV – Viva-Voce Examination

Vijaya Govind

17

V. Anandhan

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Osmania University

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Dr. A. VIJAYA GOVIND
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Anwarul Uloom College (Autonomous)
HYDERABAD, T.S.

STRUCTURE OF B.COM (HONOURS) DEGREE COURSE

Code	Title of the Paper	PPW	CREDITS
BCO101	Financial Accounting - I	6 Hrs	4
BCO102	Business Economics	4 Hrs	3
BCO103	Business Organization	4 Hrs	3
BCO104	Information Technology	4T+2P Hrs	3
BCH105	Principles of Marketing	5Hrs	3
A 105	Retail Management	2 Hrs	1
BCO201	Financial Accounting - II	6 Hrs	4
BCO202	Managerial Economics	6 Hrs	4
BCO203	Principles of Management	4 Hrs	3
BCO204	Foreign Trade	4 Hrs	3
BCH 205	Relational Database Management System	3T+2PHrs	3
IDE206	Elements of Commerce	2Hrs	1
CVW 207	NCC/NSS/Sports	2 Hrs	1
HVPE	Human Values & Professional Ethics	2 Hrs	1
BCO301	Advanced Accounting	6 Hrs	4
BCO302	Business Statistics-I	5Hrs	3
BCO303	Income Tax-I	5 Hrs	3
BCC304	Entrepreneurial Development & Business Ethics	4 Hrs	3
BCH305	Marketing Management	5Hrs	3
BCH306	Human Resources Management	5 Hrs	3
BCH307	Financial Statement Analysis	5 Hrs	3
A-308	Insurance Business	2Hrs	1
BCO401	Corporate Accounting	6 Hrs	4
BCO402	Business Statistics-II	5Hrs	3
BCO403	Income Tax-II	5Hrs	3
BCO404	Auditing	4 Hrs	3
BCH405	Business Mathematics	5 Hrs	3
BCH406	E Commerce & Digital Marketing	3T+2P Hrs	3
BCH407	Management Information System	5 Hrs	3
IDE 408	Tourism Marketing	2 Hrs	1
CVW 409	NCC/NSS/Sports	2 Hrs	1
EV410	Environment Science	2 Hrs	1
BCO501	Cost Accounting	6Hrs	4
BCO502	Business Law	5Hrs	3
BCO503	Banking Theory & Practice	4Hrs	3
BCO504	Computerized Accounting	3T+2PHrs	3
BCA/H505	Financial Management	5	3
BCF/506	Financial Services	5Hrs	3
BCH/507	Research Methodology	5Hrs	3
A-508	E-Banking	2 Hrs	1
BCO601	Managerial Accounting	6Hrs	4
BCO602	Company Law	5Hrs	3
BCO603	Financial Institutions & Markets	5Hrs	3
BCO604	Commerce Lab	4Hrs	3
BCF/H605	Investment Management	5 Hrs	3
BCF/H606	International Finance	5 Hrs	3
BCH607	Project Report	5 Hrs	3
IDE 608	Event Management	2 Hrs	1
CVW609	NCC/NSS/Sports	2 Hrs	1
S&C 610	Science & Civilization	2 Hrs	1
	TOTAL	214Hrs	133

Notation: T - Theory; P - Practical; R - Report; VV - Viva-Voce Examination

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18

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Board of Studies in Commerce

Osmania University

Hyderabad - 500 007 (A.P.)

Dr. A. VIJAYA GOVIND
HOD COMMERCE
Anwarul Uloom College (Autonomous)
HYDERABAD, T.S.

STRUCTURE OF B.COM (Honours) DEGREE COURSE
w.e.f. ACADEMIC YEAR 2017-'18

FIRST YEAR: SEMESTER-I				
<i>Code</i>	<i>Title of the Paper</i>	<i>PPW</i>	<i>Exam</i>	<i>Marks</i>
BCO101	Financial Accounting-I	6 Hrs	2 Hrs	50
BCO102	Business Economics	4 Hrs	2 Hrs	50
BCO103	Business Organization	4 Hrs	2 Hrs	50
BCO104	Information Technology	4T+2P Hrs	2 Hrs	35T+15P
BCH105	Principles of Marketing	5 Hrs	2 Hrs	50
SEMESTER-II				
BCO201	Financial Accounting-II	6 Hrs	2 Hrs	50
BCO202	Managerial Economics	6 Hrs	2 Hrs	50
BCO203	Principles of Management	4 Hrs	2 Hrs	50
BCO204	Foreign Trade	4 Hrs	2 Hrs	50
BCH205	Relational Database Management Systems	3T+2P Hrs	2 Hrs	35T+15P
SECOND YEAR: SEMESTER-III				
BCO301	Advanced Accounting	6 Hrs	2 Hrs	50
BCO302	Business Statistics-I	5 Hrs	2 Hrs	50
BCO303	Income Tax-I	5 Hrs	2 Hrs	50
BCO304	Entrepreneurial Development & Business Ethics	4 Hrs	2 Hrs	50
BCH305	Marketing Management	5Hrs	2 Hrs	50
BCH306	Human Resources Management	5 Hrs	2 Hrs	50
BCH307	Financial Statements Analysis	5 Hrs	2 Hrs	50
SEMESTER-IV				
BCO401	Corporate Accounting	6 Hrs	2 Hrs	50
BCO402	Business Statistics-II	5 Hrs	2 Hrs	50
BCO403	Income Tax-II	5 Hrs	2 Hrs	50
BCO404	Auditing	4 Hrs	2 Hrs	50
BCH405	Business Mathematics	5 Hrs	2 Hrs	50
BCH406	E Commerce & Digital Marketing	3T+2P Hrs	2 Hrs	35T+15P
BCH407	Management Information System	5 Hrs	2 Hrs	50
THIRD YEAR: SEMESTER-V				
BCO501	Cost Accounting	6 Hrs	2 Hrs	50
BCO502	Business Law	5 Hrs	2 Hrs	50
BCO503	Banking Theory & Practice	4 Hrs	2 Hrs	50
BCO504	Computerized Accounting	3T+2P Hrs	2 Hrs	35T+15P
BCA/H505	Financial Management	5 Hrs	2 Hrs	50
BCF/H506	Financial Services	5 Hrs	2 Hrs	50
BCH507	Research Methodology	5 Hrs	2 Hrs	50
SEMESTER-VI				
BCO601	Managerial Accounting	6 Hrs	2 Hrs	50
BCO602	Company Law	5 Hrs	2 Hrs	50
BCO603	Financial Institutions & Markets	5 Hrs	2 Hrs	50
BCO604	Commerce Lab	4 Hrs	2 Hrs	35R+15VV
BCF/H605	Investment Management	5 Hrs	2 Hrs	50
BCF/H606	International Finance	5 Hrs	2 Hrs	50
BCH607	Project Report	5 Hrs	2 Hrs	35R+15VV
	TOTAL	190Hrs	76 Hrs	1900

Notation: T - Theory; P - Practical; R - Report; VV - Viva-Voce Examination

Vijaya Govind

19

Dr. A. VIJAYA GOVIND
HOD, COMMERCE
Anwarul Uloom College (Autonomous)
HYDERABAD, T.S.

V. Anandharam
CHAIRMAN
Board of Studies in Commerce
Osmania University
Hyderabad - 500 007 (A.P.)

The course of Study and the Scheme of Examinations:
SEMESTER-V

S No	Part	Study Components Course Title		PPW Hrs T+P	Credit	Title of the Paper	Maximum Marks			
							Exam Hrs	IA	Sem Exam	Total
33	II	Core Course	Paper-17	6	4	Cost Accounting	2	15	35	50
34	II	Core Course	Paper-18	5	3	Business Law	2	15	35	50
35	II	Core Course	Paper-19	4	3	Banking Theory & Practice	2	15	35	50
36	II	Core Course	Paper-20	3T+2P Hrs	3	Computerized Accounting	2	15	35	50
37	II	Core Course	Paper-21	5	3	Financial Management	2	15	35	50
38	II	Core Course	Paper-22	5	3	Principles of Marketing	2	15	35	50
39	III	Elective course(a)*	Paper-3	2	1	E-Banking	2	15	35	50
		Total			20					350

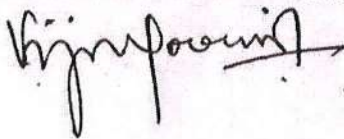
SEMESTER VI

40	II	Core course	Paper - 23	6	4	Managerial Accounting	2	15	35	50
41	II	Core course	Paper- 24	5	3	Company Law	2	15	35	50
42	II	Core course	Paper - 25	5	3	Financial Institutions & Markets	2	15	35	50
43	II	Core course	Paper- 26	4	3	Commerce Lab	2	15V	35R	50
44	II	Core course	Paper- 27	5	3	Human Resources Management	2	15	35	50
45	II	Core course	Paper- 28	5	3	Tax Planning & Management	2	15	35	50
46	III	Elective course(b)*ID	Paper- 3	2	1	Event Management	2	15	35	50
47	III	Elective course(c)*	Paper- 3	2	1	NCC/NSS/Sports	No Exam	-	-	Certificate
48	III	Foundation* Course	Paper- 3	2	1	Science & Civilization	2	-	-	50
		Total			22					400

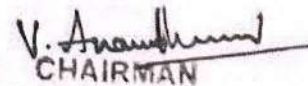
*Part III & IV: Marks Are Not Considered For Promotion & Award of Division. However a Pass in these courses is Compulsory to obtain a Degree

Note: 36; 15 Marks are awarded for Practical as follows: Record = 5; Viva voce=5; Execution = 5

43; Commerce Lab has 15 marks for viva Voce & 35 for Record and there is no examination; V= Viva Voce R= Record



20


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Dr. A. VIJAYA GOVIND
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HYDERABAD, T.S.

B.Com (Comp Appl)
The course of Study and the Scheme of Examinations:
SEMESTER-V

S No	Part	Study Components Course Title		PPW Hrs T+P	Credit	Title of the Paper	Maximum Marks			
							Exam Hrs	IA	Sem Exam	Total
33	II	Core Course	Paper-17	6	4	Cost Accounting	2	15	35	50
34	II	Core Course	Paper-18	5	3	Business Law	2	15	35	50
35	II	Core Course	Paper-19	4	3	Banking Theory & Practice	2	15	35	50
36	II	Core Course	Paper-20	3T+2P Hrs	3	Computerized Accounting	2	15	35	50
37	II	Core Course	Paper-21	3T+2P	3	E-Commerce	2	15	35	50
38	II	Core Course	Paper-22	3T+2P	3	Objective Oriented Programming with c++	2	15	35	50
39	III(a)	Elective course	Paper-3	2	1	Elective Course: E-Banking(Add-On)	2	15	35	50
		Total			20					350

SEMESTER VI

40	II	Core course	Paper - 23	6	4	Managerial Accounting	2	15	35	50
41	II	Core course	Paper- 24	5	3	Company Law	2	15	35	50
42	II	Core course	Paper - 25	5	3	Financial Institutions & Markets	2	15	35	50
43	II	Core course	Paper- 26	4	3	Commerce Lab	2	15V	35R	50
44	II	Core course	Paper- 27	5	3	Web Technologies	2	15	35	50
45	II	Core course	Paper- 28	5	3	R.D.B.M.S	2	15	35	50
46	III	Elective course(b)*ID	Paper- 3	2	1	Elective course: Event Management	2	15	35	50
47	III	Elective course(c)*	Paper- 3	2	1	Elective Course: NCC/NSS/Sports	No Exam	-	-	Certificate
48	III	Foundation* Course	Paper- 3	2	1	Foundation Course: Science & Civilization	2	-	-	50
		Total			22					400

*Part III & IV: Marks Are Not Considered For Promotion & Award of Division. However a Pass in these courses is Compulsory to obtain a Degree

Note: 36; 15 Marks are awarded for Practical is as follows: Record = 5; Viva voce=5; Execution = 5

43; Commerce Lab has 15 marks for viva Voce & 35 for Record and there is no examination; V= Viva Voce R= Record

Dr. A. Vijaya Govind

21

V. Anand Kumar

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Board of Studies in Commerce
Osmania University
Hyderabad - 500 007 (A.P.)

Dr. A. VIJAYA GOVIND
HOD, COMMERCE
Anwarul Uloom College (Autonomous)
HYDERABAD, T.S.

B.Com (E-Com)
The course of Study and the Scheme of Examinations:
SEMESTER-V

S No	Part	Study Components Course Title		PPW Hrs T+P	Credit	Title of the Paper	Maximum Marks			
							Exam Hrs	IA	Sem Exam	Total
33	II	Core Course	Paper-17	6	4	Cost Accounting	2	15	35	50
34	II	Core Course	Paper-18	5	3	Business Law	2	15	35	50
35	II	Core Course	Paper-19	4	3	Banking Theory & Practice	2	15	35	50
36	II	Core Course	Paper-20	3T+2P	3	Computerized Accounting	2	15	35	50
37	II	Core Course	Paper-21	3T+2P	3	E-Commerce	2	15	35	50
38	II	Core Course	Paper-22	5	3	Principles of Marketing	2	15	35	50
39	III(a)	Elective course	Paper-3	2	1	Elective Course: E-Banking	2	15	35	50
		Total			20					350

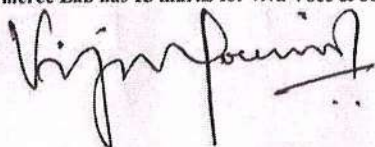
SEMESTER VI

40	II	Core course	Paper - 23	6	4	Managerial Accounting	2	15	35	50
41	II	Core course	Paper- 24	5	3	Company Law	2	15	35	50
42	II	Core course	Paper - 25	5	3	Financial Institutions & Markets	2	15	35	50
43	II	Core course	Paper- 26	4	3	Commerce Lab	2	15V	35R	50
44	II	Core course	Paper- 27	5	3	Web Technologies	2	15	35	50
45	II	Core course	Paper- 28	5	3	R.D.B.M.S	2	15	35	50
46	III	Elective course(b)*ID	Paper- 3	2	1	Elective course: Event Management	2	15	35	50
47	III	Elective course(c)*	Paper- 3	2	1	Elective Course: NCC/NSS/Sports	No Exam	-	-	Certificate
48	IV	Foundation* Course	Paper- 3	2	1	Foundation Course: Science & Civilization	2	-	-	50
		Total			22					400

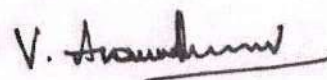
*Part III & IV: Marks Are Not Considered For Promotion & Award of Division. However a Pass in these courses is Compulsory to obtain a Degree

Note: 36; 15 Marks are awarded for Practical is as follows: Record = 5; Viva voce=5; Execution = 5

43; Commerce Lab has 15 marks for viva Voce & 35 for Record and there is no examination; V= Viva Voce R= Record

 22

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Hyderabad - 500 007 (A.P.)

B.Com (Hons)
The course of Study and the Scheme of Examinations:
SEMESTER-V

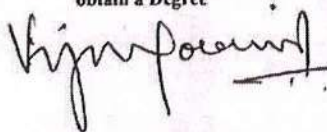
S No	Part	Study Components Course Title		PPW Hrs T+P	Credit	Title of the Paper	Maximum Marks			
							Exam Hrs	IA	Sem Exam	Total
37	II	Core Course	Paper-25	6	4	Cost Accounting	2	15	35	50
38	II	Core Course	Paper-26	5	3	Business Law	2	15	35	50
39	II	Core Course	Paper-27	4	3	Banking Theory & Practice	2	15	35	50
40	II	Core Course	Paper-28	4	3	Computerized Accounting	2	15	35	50
41	II	Core Course	Paper-29	5	3	Financial Management	2	15	35	50
42	II	Core Course	Paper-30	5	3	Financial Services	2	15	35	50
43	II	Core Course	Paper-31	5	3	Research Methodology	2	15	35	50
44	III	Elective course (a)	Paper-3	2	1	Elective Course: E-Banking	2	15	35	50
Total					23					400

SEMESTER VI

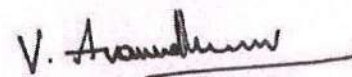
45	II	Core course	Paper - 32	6	4	Managerial Accounting	2	15	35	50
46	II	Core course	Paper- 33	5	3	Company Law	2	15	35	50
47	II	Core course	Paper - 34	5	3	Financial Institutions & Markets	2	15	35	50
48	II	Core course	Paper- 35	4	3	Commerce Lab	No Exam	15 viva	35 PR	50
49	II	Core course	Paper- 36	5	3	Investment Management	2	15	35	50
50	II	Core course	Paper- 37	5	3	International Finance	2	15	35	50
51	II	Core Course	Paper - 38	5	3	Project Report	2	15P	35R	50
52	III	Elective course(b)	Paper- 3	2	1	Elective course: Event Management	2	15	S35	50
53	III	Elective course(c)	Paper- 3	2	1	Elective Course: NCC/NSS/Sports	No Exam	-	-	Certificate
48	IV	Foundation Course	Paper- 3	2	1	Foundation Course: Science & Civilization	2	-	-	50
Total					25					450

*Part III & IV: Marks Are Not Considered For Promotion & Award of Division. However a Pass in these courses is Compulsory to obtain a Degree

23



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DEPARTMENT OF COMMERCE, A.U.C.
M.Com. Course Structure (CBCS)

FIRST SEMESTER

Sl.No.	Code	Title of the Paper	THPW	Credits	DESE	Marks			TOTAL
						IA	ASSIGNMENT	END-SEM EXAM	
1	Com 1: Core-I	Managerial Economics	5	4	3 Hrs	15	5	80	100
2	Com 2: Core-II	Principles of Marketing	5	4	3 Hrs	15	5	80	100
3	Com 3: Core-III	OT & OB	5	4	3 Hrs	15	5	80	100
4	Com 4: Elective-I	Financial Management	5	5	3 Hrs	15	5	80	100
5	Com 5: Elective-II	Accounting Standards	5	5	3 Hrs	15	5	80	100
	Seminar		2	1	-	-	-	25*	25
	Total		27	23		75	25	425	525
	*25=15W+10PR								

SECOND SEMESTER

Sl.No.	Code	Title of the Paper	THPW	Credits	DESE	Marks			TOTAL
						IA	ASSIGNMENT	END-SEM EXAM	
6	Com 6: Core-I	Business Environment & Policy	5	4	3 Hrs	15	5	80	100
7	Com 7: Core-II	Marketing Management	5	4	3 Hrs	15	5	80	100
8	Com 8: Core-III	Human Resource Management	5	4	3 Hrs	15	5	80	100
9	Com 9: Elective-I	Investment Management	5	5	3 Hrs	15	5	80	100
10	Com 10: Elective-II	Advanced Managerial Accounting	5	5	3 Hrs	15	5	80	100
	Seminar		2	1	-	-	-	25*	25
	Total		27	23		75	25	425	525
	*25=15W+10PR								

THIRD SEMESTER

Sl.No.	Code	Title of the Paper	THPW	Credits	DESE	Marks			TOTAL
						IA	ASSIGNMENT	END-SEM EXAM	
11	Com 11: Core-I	Research Methodology & Statistical Analysis	5	4	3 Hrs	15	5	80	100
12	Com 12: Core-II	E-Commerce	5 (4T+2P)	4	3 Hrs	15 IA	35 LPE	50	100
13	Com 13: Core-III	Cost Accounting and Control	5	4	3 Hrs	15	5	80	100
14	Com 14: Elective-I	International Financial Management	5	5	3 Hrs	15	5	80	100
15	Com 15: Elective-II	Security Analysis & Portfolio Management	5	5	3 Hrs	15	5	80	100
16	ID Paper	Business Organization & Management	4	4	3 Hrs	15	5	80	100
	Seminar		2	1	-	-	-	25*	25
	Total		31	23		90	60	475	625
	*25=15W+10PR								

FOURTH SEMESTER

Sl.No.	Code	Title of the Paper	THPW	Credits	DESE	Marks			TOTAL
						IA	ASSIGNMENT	END-SEM EXAM	
17	Com 16: Core-I	Quantitative Techniques For Business Decisions	5	4	3 Hrs	15	5	80	100
18	Com 17: Core-II	Business and Corporate Taxation	5 (4T+2P)	4	3 Hrs	15	5	80	100
19	Com 18: Core-III	Strategic Management	5	4	3 Hrs	15	5	80	100
20	Com 19: Elective-I	Financial Services	5	5	3 Hrs	15	5	80	100
21	Com 20: Elective-II	Financial Derivatives	5	5	3 Hrs	15	5	80	100
22	Com 21	Project Work	6	4	-	-	-	50 VV+50D	100
	Seminar		2	1	-	-	-	25*	25
	Total		35	27		75	25	525	625
	*25=15W+10PR								

Notation : Inter Disciplinary (ID) Paper in Third Semester is offered to the Non-Commerce PG Students.

THPW= Teaching Hours Per Week; ESED=End-Semester Examination Duration; VV=Viva-Voce; LPE = Lab Practical Examinations; D=Dissertation; T=Theory; P=Practical; W=Write-up; PR=Presentation; DESE = Duration of End-Semester Examination.

V. Anwarul Uloom
26/07/2017
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Board of Studies in Commerce
Osmania University
Hyderabad - 500 007 (A.P.)

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Sl.No.	Specialization	Semester-I	Semester-II	Semester-III	Semester-IV
I	Finance (F)	(1) FM: Financial Management	(3) IM: Investment Management	(5) IFM: International Financial Management	(7) FS: Financial Services
		(2) AS: Accounting Standards	(4) AMA: Advanced Managerial Accounting	(6) SAPM: Security Analysis and Portfolio Management	(8) FD: Financial Derivatives
II	Accounting (A)	(1) FM: Financial Management	(3) IM: Investment Management	(5) ACA: Advanced Corporate Accounting	(7) ACAC: Advanced Cost Accounting and Control
		(2) AS: Accounting Standards	(4) AMA: Advanced Managerial Accounting	(6) FSA: Financial Statement Analysis	(8) M&A: Mergers & Acquisitions
III	Marketing (M)	(1) RM: Retail Marketing	(3) CRE: Consumer Rights & Education	(5) SM: Services Marketing	(7) SCM&CRM: Supply Chain Management
		(2) ASM: Advertising & Sales Management	(4) MR: Marketing Research	(6) CB: Consumer Behavior	& Customer Relationship Management
					(8) IM: International Marketing
IV	Taxation (T)	(1) FM: Financial Management	(3) IM: Investment Management	(5) DT: Direct Taxation	(7) Tax : Tax Planning
		(2) AS: Accounting Standards	(4) AMA: Advanced Managerial Accounting	(6) IDT: Indirect Taxation	(8) IT: International Taxation
V	International Business (IB)	(1) FM: Financial Management	(3) IM: Investment Management	(5) IFM: International Financial Management	(7) IBE: International Business Environment
		(2) AS: Accounting Standards	(4) AMA: Advanced Managerial Accounting	(6) ITP: International Trade – Theory and Practice	(8) IM: International Marketing
VI	Insurance (I)	(1) FM: Financial Management	(3) IM: Investment Management	(5) PPLHI: Principles and Practice of Life and Health Insurance	(7) AS: Actuarial; Science
		(2) AS: Accounting Standards	(4) AMA: Advanced Managerial Accounting	(6) PPGI: Principles and Practice of General Insurance	(8) RP: Retirement Planning
VII	Banking (B)	(1) FM: Financial Management	(3) IM: Investment Management	(5) EB&FS: E-Banking and Financial Services	(7) IB: International Banking
		(2) AS: Accounting Standards	(4) AMA: Advanced Managerial Accounting	(6) BT: Banking Technology	(8) CB: Central Banking
VIII	E-Commerce (E-Com)	(1) RM: Retail Marketing	(3) CRE: Consumer Rights & Education	(5) NCS: Netiquettes and Cyber Security	(7) BME: Business Models for E-Commerce
		(2) ASM: Advertising & Sales Management	(4) MR: Marketing Research	(6) NIPS: Network Infrastructure and Payment System	(8) LSOIE: Legal Security in E-Commerce
IX	Computer Applications (CA)	(1) FM: Financial Management	(3) DCN: Data Communications and Networks	(5) RDBMS: Relational Data Base Management Systems	(7) AE: Advanced Excel
		(2) AS: Accounting Standards	(4) OOP: Object Oriented Programming with C++	(6) CL: Cyber Laws	(8) WD: Web Designing
The allotment of THP 4T +2P; IA=15; LPE=35; EE=50;					

V. Anwarul Uloom
26/07/2017
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Board of Studies in Commerce
Osmania University
Hyderabad - 500 007 (A.P.)

Vijaya Govind

Dr. A. VIJAYA GOVIND
HOD COMMERCE
Anwarul Uloom College (Autonomous)
HYDERABAD, T.S.

SEMESTER – II

Paper Code	Name Of The Paper	Scheme Of Instructions (Hours Per Week)	Credits	Scheme Of Examination		Total
				Internal Assessment Marks	Semester Exam Marks	
201	Micro Economics Analysis-II	5	5	20	80	100
202	Macro Economics Analysis -II	5	5	20	80	100
203	Quantitative Methods- II	5	5	20	80	100
204	Agricultural Economics-II Or Computer Applications-II	5 (di)	5 (di)	20	80	100
205	Economics Of Social Sector-II Or Financial economics -II	5 (di)	5 (di)	20	80	100
	TOTAL	25	25	100	400	500
	Add On Course					
206	Human Values & Profession Ethics	30 Hrs .Per Paper	2		50	50

Seminar

2 1


25

100

Pl. See the corrections.

Notation:**IA-Internal Assessment ; SEM- Semester**

1. Note :For each papers there will be semester examination for 80 marks and 20 marks for Internal Assessment.
2. 15 marks for Internal Assessment and 5 marks for Assignment in the subject, average of two shall be considered for the award of marks.


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Board of Studies
Department of Economics
Osmania University Hyderabad

Anwarul Uloom College (Autonomous)
(An Autonomous Muslim Minority Institution)
New Mallepally, Hyd
(Affiliated to Osmania University,.)
Department Of Economics
M.A.(Economics) Course Structure
(Choice Based Credit System)

(2017– 2018)

MASTER STRUCTURE

SEMESTER – III

Paper Code	Name Of The Paper	Scheme Of Instructions (Hours Per Week)	Credits	Scheme Of Examination		Total
				Internal Assessment Marks	Semester Exam Marks	
301	Econometrics - I	5	5	20	80	100
302	International Economics -I	5	5	20	80	100
303	Public Economics - I	5	5	20	80	100
304	Industrial Economics – I Or Agri – Business - I	5 (te)	5 (te)	20	80	100
305	Demography - I Or Development Economics - I	5 (te)	5 (te)	20	80	100
	TOTAL	25	25	100	400	500
	IDE Course					
306	Telangana Economy	30 Hrs .Per Paper	2		50	50

Semester 2 1

Pl. See the corrections

A. N. R. Jyoti

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Board of Studies
Department of Economics
Osmania University Hyd-07

Anwarul Uloom College (Autonomous)
 (An Autonomous Muslim Minority Institution)
 New Mallepally, Hyd
 (Affiliated to Osmania University,.)
 Department Of Economics
 M.A.(Economics) Course Structure
 (Choice Based Credit System)
 (2017- 2018)

MASTER STRUCTURE

SEMESTER - I

Paper Code	Name Of The Paper	Scheme Of Instructions (Hours Per Week)	Credits	Scheme Of Examination		Total
				Internal Assessment Marks	Semester Exam Marks	
101	Micro Economics Analysis-I	5	5	20	80	100
102	Macro Economics Analysis-I	5	5	20	80	100
103	Quantitative Methods- I	5	5	20	80	100
104	Agricultural Economics-I Or Computer Applications-I	5 (hr)	5 (hr)	20	80	100
105	Economics Of Social Sector-I Or Financial Economics -I	5 (hr)	5 (hr)	20	80	100
	TOTAL	25	25	100	400	500
	Add On Course					
106	Communicative English & Soft Skills	30 Hrs .Per Paper	2		50	50

Seminar

2

1

Pl. See the Corrections.


A. R. Reddy
 CHAIRMAN
 Board of Studies
 Department of Economics
 Osmania University Hyd. 50

SEMESTER – IV

Paper Code	Name Of The Paper	Scheme Of Instructions (Hours Per Week)	Credits	Scheme Of Examination		
				Internal Assessment Marks	Semester Exam Marks	Total
401	Econometrics - II	5	5	20	80	100
402	Indian Economy - II	5	5	20	80	100
403	Environmental Economics - II	5	5	20	80	100
404	Industrial Economics – II Or Agri – Business - II	5 (de)	5 (de)	20	80	100
405	Economics Of Insurance Or Telangana Economy	5 (de)	5 (de)	20	80	100
	TOTAL	25	25	100	400	500
	IDE Course					
406	Indian Economy And Development	30 Hrs .Per Paper	2		50	50

Semester 2 1

P.S. See the corrections


CHAIRMAN
Board of Studies
Department of Economics
Osmania University, Hyd.-2

Notation:

IA-Internal Assessment ; SEM- Semester

1. Note :For each papers there will be semester examination for 80 marks and 20 marks for Internal Assessment.

15 marks for Internal Assessment and 5 marks for Assignment in the subject, average of two shall be considered for the award of marks.

B.A. (ECONOMICS) IInd year


SEMESTER – IIIrd & IVth

(2017-18)

COURSE STRUCTURE

CHOICE BASED CREDIT SYSTEM PATTERN

Code	Name Of The Paper	Scheme Of Instruction/Hours Per Week	Credit	Scheme Of Examination	
				Internal Assessment Marks	Semester Examination Marks
SEMESTER -III					
1111	Micro-Economics	5Hours	(5) 4	15	35
Add - On					
A1111	Money and Banking	2 Hours	(2) 1	15	35
SEMESTER - IV					
1211	Public Economics	5 Hours	(5) 4	15	35
IDE					
I1211	Environmental Economics	2 Hours	(2) 1	15	35


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Anwarul Uloom College, Mallepally, Hyderabad
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(An Autonomous Muslim Minority Institution)
New Mallepally, Hyderabad – 500 001, Telangana, India

B.A. (Economics) IIIrd Years
Semester – Vth & VIth

Course Structure

Choice Based Credit System Pattern Approved Syllabus for the Academic year 2016-2017

Scheme of Examination

Code	Semester	Name of the Paper	Scheme of Instruction / Hours Per week	Credit	Scheme of Examination	
					Internal Assignment Marks	Semester (End) Examination Marks.

Semester – V

	V (A)	Indian Economy	5 Hours	4	15	35
	V (B)	Public Finance	5 Hours	4	15	35

Add-On 20 —

		Industrial Economics	2 Hours	1	15	35
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Semester – VI

	VI (A)	Indian Economy	5 Hours	4	15	35
	V (B)	Public Finance & International Economics	5 Hours	4	15	35

IDE Course

		Financial Economics	2 Hours	1	15	35
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Note: one hr of teaching is equal to one credit

A. Arif
CHAIRMAN
Board of Studies
Department of Economics
Anwarul Uloom College, Mallepally, Hyderabad

Anwarul Uloom College, Mallepally, Hyderabad
(Autonomous)

(An Autonomous Muslim Minority Institution)
New Mallepally, Hyderabad – 500 001, Telangana, India

Faculty of Social Sciences
Department of Public Administration
2017-2018

Course Structure

Choice Based Credit System Pattern Approved Syllabus for the Academic year 2017-2018

Scheme of Examination

Name of the Paper	Scheme of Instruction / Hours Per week	Credit	Internal Assessment Marks	Semester (End) Examination Marks.
Semester – III				
Public-Admn.(Public Administration in India)	5 Hours	5	15	35
Add-On Paper for Semester- III				
Rural Urban Administration	2 Hours	1	15	35
Semester – IV				
Public-Admn.(Public Administration in India)	5 Hours	5	15	35
IDE Paper for Semester- IV				
Public Relations	2 Hours	1	15	35

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Department of Public Administration
Osmania University, Hyderabad-500 007.

V. G. Rao
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ANWARUL-ULOOM COLLEGE (AUTONOMOUS)
HYDERABAD.

B.A. (ECONOMICS) IST YEAR

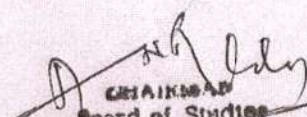
SEMESTER – Ist & IInd

(2017-18)

COURSE STRUCTURE

CHOICE BASED CREDIT SYSTEM PATTERN

Code	Name Of The Paper	Scheme Of Instruction/Hours Per Week	Credit	Scheme Of Examination	
				Internal Assessment Marks	Semester Examination Marks
SEMESTER - I					
1111	Micro-Economics	5 Hours	4 ⁽⁵⁾	15	35
ADD ON COURSE					
A1111	Taxation	2 Hours	1 ⁽²⁾	15	35
SEMESTER - II					
1211	Macro Economics	5 Hours	4 ⁽⁵⁾	15	35
IDE					
I1211	Public Finance	2 Hours	1 ⁽²⁾	15	35


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 Department of Economics
 Bharathidasan University, Tiruchirappalli

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 New Mallepally, Hyderabad-500001 T.S, India

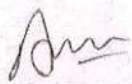


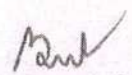
Faculty of Social Sciences Subject: Political Science (2017-18)
 Course Structure CBCS Pattern / Approval Syllabus for the Academic Year 2017-18

Code	Name of the paper	Scheme of instruction/Hours per week	Credit	Scheme of Examination	
				Internal Assessment Marks	Semester Examination Marks
SEMESTER - I					
1119	Pol. Science – Concepts, Theories and Institutions.	5 Hours	4	15	35
ADD-ON PAPER FOR SEMESTER - I					
A1119	Human Rights and Duties	2 Hours	1	15	35
SEMESTER - II					
1219	Political Science Ideologies	5 Hours	4	15	35
IDE PAPER FOR SEMESTER - II					
11219	Introduction to Child Labour	2 Hours	1	15	35

Semester III & IV
Approval Syllabus for the Academic Year 2017-18

Code	Name of the paper	Scheme of instruction/Hours per week	Credit	Scheme of Examination	
				Internal Assessment Marks	Semester Examination Marks
SEMESTER – III					
1119	Indian Government and Politics	5 Hours	4	15	35
ADD-ON PAPER FOR SEMESTER - III					
A1119	Emancipation of women	2 Hours	1	15	35
SEMESTER – IV					
1219	Indian Government and Politics; Union and State Governments	5 Hours	4	15	35
IDE PAPER FOR SEMESTER – IV					
11219	Caste System in India	2 Hours	1	15	35


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Chairperson
 Department of Political Science
 Osmania University
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Anwarul Uloom College, Mallepally, Hyderabad
(Autonomous)

(An Autonomous Muslim Minority Institution)
New Mallepally, Hyderabad – 500 001, Telangana, India



Faculty of Social Sciences
Department of Public Administration
2017-2018

Course Structure
Choice Based Credit System Pattern Approved Syllabus for the
Academic year 2017-2018

Scheme of Examination

Name of the Paper	Scheme of Instruction / Hours Per week	Credit	Internal Assessment Marks	Semester (End) Examination Marks.
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Semester – I

Pub-Admn. (Introduction to Public Administration)	5 Hours	5	15	35
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Add-On Paper for Semester-I

Women's Studies	2 Hours	1	15	35
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Semester – II

Pub-Admn. (Introduction to Public Administration)	5 Hours	5	15	35
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IDE Paper for Semester-II

Pub-Admn. (Disaster Management)	2 Hours	1	15	35
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Abbas
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Department of Public Administration
Osmania University, Hyderabad-500 007.

V. M. S.
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DEPT. PUB. ADMINISTRATION
ANWARUL-ULOOM COLLEGE (AUTONOMOUS)
HYDERABAD.

SEMESTER – VA – V B
(Choice Based credit System)

Semester	Name of the Paper	Schemes of Instructor Hours per week	Credit	Schemes of Examination	
				Internal Assessment	Semester Examination Marks

SEMESTER V A

V A	Pol. Science Ancient Indian Political Thoughts	5 Hrs.	5	15	35
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SEMESTER V B

V A	Pol. Science International Relations	5 Hrs.	5	15	35
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ADD ON PAPER FOR SEMESTER V A AND VB

	Reform Movements in India	2 Hrs	1	15	35
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SEMESTER VI A
(Choice Based credit System)


VI A	Pol. Science western Political Thoughts	5 Hrs	5	15	35
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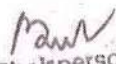
SEMESTER VI B

VI B	Pol. Science International Relations	5 Hrs	5	15	35
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IDE PAPER FOR EMESTER VI A and VI B

	Women Studies An Introduction	2 Hrs	1	15	35
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HEAD & CHAIRMAN
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 Chairperson
 Department of Political Science
 Osmania University
 Hyderabad - 500 007

Anwarul Uloom College, Mallepally, Hyderabad
(Autonomous)

(An Autonomous Muslim Minority Institution)
New Mallepally, Hyderabad - 500 001, Telangana, India

Faculty of Social Sciences
Department of Public Administration
2017-2018

Choice Based Credit System for BA V & VI Semesters

Semester	Name of the Paper	Internal Assessment Marks	Semester End Examination Marks
VA	Public-Admn. Management of Resources	15	35
VB	Public-Admn. Office Management	15	35
VI A	Public-Admn. Management of Resources	15	35
VI B	Public-Admn. Office Management	15	35

Chairperson

Chairperson, BOS
Department of Public Administration
Osmania University, Hyderabad-500 007.

VIAB
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ANWARUL ULOOM COLLEGE (Autonomous)

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New Mallepally, Hyderabad – 500 001, T. S., India.
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Faculty of Social Sciences

Department of History

B. A. (History, Political Science & Modern Language – Urdu)

B. A. 2nd Year
(2017 – 18)

Choice Based Credit System Pattern (w.e.f. 2015 – 16)

(Approved Syllabus for the Academic Year 2017 – 18)

S. No.	Year	Sem.	Paper	Title	Code No.	Inter. Marks	Sem. Marks	Teaching hours	Credits
1	2 nd Year	III	III	History of India (from 1526 – 1857 CE)	1313	15	35	5 Hrs	4
2			Add-on	History and Culture of Telangana (1500 – 2014 CE)		15	35	2 Hrs	1
3	2 nd Year	IV	IV	History of India (from 1858 – 1964 CE)	1413	15	35	5 Hrs	4
4			I D E	History of Tourism In India		15	35	2 Hrs	1

[Signature]
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Osmania University
Hyderabad, Telangana State

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Board of Studies
Department of History
Osmania University
Hyderabad

ANWARUL ULOOM COLLEGE (Autonomous)

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New Mallepally, Hyderabad – 500 001, T. S., India.
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Faculty of Social Sciences

Department of History

B. A. (History, Political Science & Modern Language – Urdu)

B. A. 1st Year
(2017 – 18)

Choice Based Credit System Pattern (w.e.f. 2015 – 16)

(Approved Syllabus for the Academic Year 2017 – 18)

S. No.	Year	Sem.	Paper	Title	Code No.	Inter. Marks	Sem. Marks	Teaching hours	Credits
1	1 st Year	I	I	History of India (from earliest times to 700 CE)	1113	15	35	5 Hrs	4
2			Add-on	Indian Heritage and Culture		15	35	2 Hrs	1
3	1 st Year	II	II	History of India (from 700 – 1526 CE)	1213	15	35	5 Hrs	4
4			I D E	Tourism in Telangana		15	35	2 Hrs	1

[Signature]
HEAD
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Osmania University
Hyderabad, Telangana State

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Department of History,
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ANWARUL ULOOM COLLEGE (Autonomous)

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New Mallepally, Hyderabad – 500 001, T. S., India.
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Faculty of Social Sciences

Department of History

B. A. (History, Political Science & Modern Language – Urdu)

B. A. 3rd Year
(2017 – 18)

Choice Based Credit System Pattern (w.e.f. 2015 – 16)

(Approved Syllabus for the Academic Year 2017 – 18)

S. No.	Year	Sem.	Paper	Title	Code No.	Inter. Marks	Sem. Marks	Teaching hours	Credits
1	3 rd Year	V	V A	World History (1453 - 1815 CE)	1513 A	15	35	5 Hrs	4
2			V B	Islamic History & Culture (from earliest times to fall of Ummayyads)	1513 B	15	35	5 Hrs	4
3			Add-on	Archives & Museums		15	35	2 Hrs	1
4	3 rd Year	VI	VI A	World History (1815 - 1950 CE)	1513 A	15	35	5 Hrs	4
5			VI B	Islamic History & Culture (Rise of Abbasids to Crusades)	1513 B	15	35	5 Hrs	4
6			I D E	History of World Tourism		15	35	2 Hrs	1

J. P. P. P.
P. P. P.

HEAD
Department of History
Osmania University
Hyderabad, Telangana State

P. P. P.
CHAIRMAN
Board of Studies
Department of History
Osmania University
Hyderabad.



ANWARUL ULOOM COLLEGE (AUTONOMOUS)

(An Autonomous Muslim Minority Institution)
New Mallepally, Hyderabad – 500 001, T.S., India.
(Affiliated to Osmania University)

Department of History Paper Titles & Marks Details (2017-18)

(Course Structure & Scheme of Examinations)

S. No.	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
						Max.	Min.			
M. A. Ist Year, I – Semester (CBCS)										
1	I	211	History of India (from earliest times to 1206 CE)	5 Hrs	20	80	32	100	5	3 Hrs
2	II	212	History of Modern World (from 1453 - 1871 CE)	5 Hrs	20	80	32	100	5	3 Hrs
3	III	213	History & Culture of Telangana (from earliest times to 1724 CE)	5 Hrs	20	80	32	100	5	3 Hrs
4	IV	214 a	Ancient Civilization	5 Hrs	20	80	32	100	5	3 Hrs
		214 b	History of China (1879 to 1949 CE)							
5	V	215 a	Tourism & Culture	5 Hrs	20	80	32	100	5	3 Hrs
		215 b	History of U S A (1776 to 1945 CE)							
6		116	Add On: Communicative English & Soft Skills	2 Hrs	—	50	20	—	2	2 Hrs
Total				27 Hrs				500	25	17 Hrs
M. A. Ist Year, II – Semester (CBCS)										
1	I	221	History of India (1206 - 1858 CE)	5 Hrs	20	80	32	100	5	3 Hrs
2	II	222	History of Modern World (from 1871 - 1964 CE)	5 Hrs	20	80	32	100	5	3 Hrs
3	III	223	History & Culture of Telangana (1724 to 2014 CE)	5 Hrs	20	80	32	100	5	3 Hrs
4	IV	224 a	Historiography & Historical Method (IV a)	5 Hrs	20	80	32	100	5	3 Hrs
		224 b	History of Russia (1861 - 1991 CE)							
5	V	225 a	Environmental History of Modern India	5 Hrs	20	80	32	100	5	3 Hrs
		225 b	History of Japan (1850 - 1945 CE)							
6		126	Add - On Course: HV & P E / Basics of Computer Science	2 Hrs	—	50	20	—	2	2 Hrs
Total				27 Hrs				500	25	

K. K. K.
Head of the Department

Note: Add - on and I D E Courses marks and credits are not considered for Aggregate of Marks and Aggregate of total credits and for award of Division

(Mrs. A. S. Sidiqi)
 HEAD
 Department of History
 Osmania University
 Hyderabad, Telangana State

(S. S. S.)
 CHAIRMAN
 Board of Studies
 Department of History,
 Osmania University,
 Hyderabad.



ANWARUL ULOOM COLLEGE (AUTONOMOUS)

(An Autonomous Muslim Minority Institution)
New Mallepally, Hyderabad – 500 001, T.S., India.
(Affiliated to Osmania University)

Department of History Paper Titles & Marks Details (2017-18)

(Course Structure & Scheme of Examinations)

S. No.	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
						Max.	Min.			
M. A. 2nd Year, III – Semester (CBCS)										
1	I	231	Social, Economic & Cultural History of Medieval India (1206 – 1707 CE)	5 Hrs	20	80	32	100	5	3 Hrs
2	II	232	Social, Economic & Cultural History of Modern India (1707 – 1947 CE)	5 Hrs	20	80	32	100	5	3 Hrs
3	III	233	History of Dalit Movement in India (1900 – 1947 AD)	5 Hrs	20	80	32	100	5	3 Hrs
4	IV	234 a	History of Science & Technology in Modern India (1800 – 1964 CE)	5 Hrs	20	80	32	100	5	3 Hrs
		234 b	Architecture in Deccan							
5	V	235	History of Contemporary India (1947 – 2000 CE)	5 Hrs	20	80	32	100	5	3 Hrs
		236	I D E Course: Cultural Heritage of India Part – A.	2 Hrs	—	50	20	—	2	2 Hrs
			Total	29 Hrs				500	25	
M. A. 2nd Year, IV – Semester (CBCS)										
1	I	241	National Movement in India (1858 – 1947 CE)	5 Hrs	20	80	32	100	5	3 Hrs
2	II	242	Buddhist Studies	5 Hrs	20	80	32	100	5	3 Hrs
3	III	243	Tribal & Peasant Movement in India (19 th & 20 th Centuries)	5 Hrs	20	80	32	100	5	3 Hrs
4	IV	244 a	Constitutional History of India (1773 – 1947 CE)	5 Hrs	20	80	32	100	5	3 Hrs
		244 b	Archives & Museums							
5	V	245	Women studies in Modern India	5 Hrs	20	80	32	100	5	3 Hrs
6		246	I D E Course: Cultural Heritage of India – Part B	2 Hrs	—	50	20	—	2	2 Hrs
			Total	27 Hrs				500	25	

Total Credits: 100 & Total Marks: 2,000

Head of the Department

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Department of History
Osmania University
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Hyderabad.

SEMESTER III

S No	Part	Study Components		PPW Hrs. T+P	Credit	Title of the Paper	Maximum Marks			
		Course Title					Exam Hrs.	IA	Sem. Exam	Total
17	I	Languages	Paper-3	4	3	H/U/T/A/P	2	20	30	50
18	I	English	Paper-3	5	3	English	2	20	30	50
19	II	Core Courses	9	5	3	Principles of Marketing	2	15	35	50
20	II	Core Courses	10	6	4	Advanced Accounting	2	15	35	50
21	II	Core Courses	11	5	3	Business Statistics – I	2	15	35	50
22	II	Core Courses	12	5	3	Direct Taxes	2	15	35	50
23	III	Elective Course (a) *	Paper-2 Add On	2	1	Recreation & Leisure Time Management	2	20	30	50
		Total			20					350

SEMESTER IV

24	I	Languages	Paper-4	4	3	H/U/T/A/P	2	20	30	50
25	I	English	Paper-4	5	3	English	2	20	30	50
26	II	Core Courses	13	6	4	Accounting for Management	2	15	35	50
27	II	Core Course	14	5	3	Business Statistics – II	2	15	35	50
28	II	Core Course	15	5	3	Banking & Insurance	2	15	35	50
29	II	Core Course	16	4T+2P	3	Accounting Packages	2	15 P	35	50
30	III	Elective Course (b) *	Paper- 2 IDE-	2	1	Creativity & Innovation Management	2	20	30	50
31	III	Elective Course (c) *	Paper-2 CVW-	2	1	NCC/NSS/Sports (Certificate)	No exam	--	--	Certif- icate
32	IV	Foundation Course(value Education) *	Paper-2 EVS	2	1	Environmental Sciences	2	--	--	50
		Total			22					400

*Part – III & IV Marks are Not considered for promotion & award of Division. However a pass in the course is compulsory.

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BOS IN BUSINESS ADMINISTRATION
ANWARUL ULOOM COLLEGE
AFFILIATED TO OSMANIYA UNIVERSITY
HYDERABAD-500 001 (T.S.)

CHAIRMAN
MANAGEMENT
OSMANIYA UNIVERSITY

SEMESTER V

S No	Part	Study Components		PPW Hrs. T+P	Credit	Title of the Paper	Maximum Marks			
		Course Title					Exam Hrs.	IA	Sem. Exam	Total
33	II	Core Course	Paper 17	5	3	Cost Accounting	2	15	35	50
34	II	Core course	Paper 18	5	3	Production & Operations Management	2	15	35	50
35	II	Core Course	Paper 19	5	3	E-Commerce	2	15 P	35	50
36	II	Core Course	Paper 20	5	3	Business Communications	2	15	35	50
37	II	Core Course	Paper 21	5	3	Human Resource Management	2	15	35	50
38	II	Core Course	Paper 22	5	3	Financial Statement Analysis	2	15	35	50
39	III	Elective Course(a) *	Paper-3 Add On	2	1	Business Ethics	2	20	30	50
		Total			19					350

SEMESTER VI

40	II	Core Course	Paper 23	5	3	Entrepreneurship Development	2	15	35	50
41	II	Core Course	Paper 24	5	3	Business Laws	2	15	35	50
42	II	Core Course	Paper 25	5	3	Industrial Relations Management	2	15	35	50
43	II	Core Course	Paper 26	5	3	Web Technologies	2	15 P	35	50
44	II	Core Course	Paper 27	5	3	Investment Management	2	15	35	50
45	II	Core Course	Paper 28	5	3	International Finance	2	15	35	50
46	III	Elective Course (b) *	Paper-3 IDE	2	1	Time Management	2	20	30	50
47	III	Elective Course (c)*	Paper-3 CVW	2	1	NCC/NSS/Sports (Certificate)	No Exam	--	--	Certificate
48	IV	Foundation Course(value Education) *	Paper-3 S&C	2	1	Science & Civilization	2	--	--	50
		Total			21					400

*Part – III & IV Marks are Not considered for promotion & award of Division. However a pass in the course is compulsory.

The Course of Study and the Scheme of Examinations:

SEMESTER I

S No	Part	Study Components		PPW Hrs. T+P	Credit	Title of the Paper	Maximum Marks			
		Course Title					Exam Hrs.	IA	Sem. Exam	Total
1	I	Languages	Paper - I	4	3	H/U/T/A/P	2	20	30	50
2	I	English	Paper-I	5	3	English	2	20	30	50
3	II	Core Courses	1	5	3	Business Organization & Management	2	15	35	50
4	II	Core Course	2	5	3	Business Economics (Micro)	2	15	35	50
5	II	Core Course	3	6	4	Financial Accounting - I	2	15	35	50
6	II	Core Course	4	4+2	3	Information Technology	2	15	35	50
7	III	Elective Course (a) *	Paper-I Add On	2	1	Stress Management Choose any one (list provided by the College)	2	20	30	50
		Total			20					350

SEMESTER II

8	I	Languages	Paper - 2	4	3	H/U/T/A/P	2	20	30	50
9	I	English	Paper- 2	5	3	English	2	20	30	50
10	II	Core Courses	5	5	3	Organizational Behaviour	2	15	35	50
11	II	Core Course	6	6	4	Financial Accounting - II	2	15	35	50
12	II	Core Course	7	5	3	Business Economics (Macro)	2	15	35	50
13	II	Core Course	8	4+2	3	RDBMS	2	15 P	35	50
14	III	Elective Course (b) *	Paper-1 IDE	2	1	Personality Development	2	20	30	50
15	III	Elective Course (c) *	Paper-1 CVW	2	1	NCC/NSS/Sports (Certificate)	No Exam	--	--	Certificate
16	IV	Foundation Course (value Education) *	Paper-1 HVPE	2	1	Human Values & Professional Ethics	2	--	--	50
		Total			22					400

*Part - III & IV Marks are Not considered for promotion & award of Division. However a pass in the course is compulsory.

**DEPARTMENT OF BOTANY,
OSMANIA UNIVERSITY
M.Sc. BOTANY (CBCS)**
(Effective from Academic Year

2014-15

Semester-I

Subject Code	Subject / Paper	Theory / Practical	Instruction Hrs/Week	Credits	Evaluation		Duration of External Examination
			Th/ Pr.		Internal	External	
MBOT.CC.T.1.101	Phycology and Mycology	Theory (Paper-I)	4	4	20	80	3
MBOT.CC.T.1.102	Bryophyta & Pteridophyta	Theory (Paper-II)	4	4	20	80	3
MBOT.CC.T.1.103	Taxonomy of Angiosperms and Medicinal Botany	Theory (Paper-III)	4	4	20	80	3
MBOT.CC.T.1.104	Plant Biochemistry	Theory (Paper-IV)	4	4	20	80	3
MBOT.CC.P.1.105	Practical Lab - I	Practical (Paper-I)	4	2	-	50	4
MBOT.CC.P.1.106	Practical Lab - II	Practical (Paper-II)	4	2	-	50	4
MBOT.CC.P.1.107	Practical Lab-III	Practical (Paper-III)	4	2	-	50	4
MBOT.CC.P.1.108	Practical Lab-IV	Practical (Paper-IV)	4	2	-	50	4
			32	24	600		



STRUCTURE OF B.Sc(Electronics) DEGREE COURSE

S No	Code	Title of the Paper	FIRST YEAR SEMESTER-I				Credits
			C.T	PPW Hrs	Exam Duration Hrs	Max. Marks	
1	B.Sc 101	Circuit Analysis	CC-1	4Hrs	2	50	3
2	B.Sc 102	Mathematics-I	CC-2	4Hrs	2	50	3
3	B.Sc 103	Computer Science-I/Physics-I	CC-3	4Hrs	2	50	3
4	B.Sc 104	Electronic Practical-I	PR-1	2P Hrs	2	25P	1
5	B.Sc 105	Mathematics Practical-I	PR-2	2P Hrs	2	25P	1
6	B.Sc 106	Computer Science/Physics Practical-I	PR-3	2P Hrs	2	25P	1
7	A-Add on	Elective Courses-Industrial Electronics	EC-1	2Hrs	2	50	1
FIRST YEAR - SEMESTER-II							
8	B.Sc 201	Electronic Devices & Circuits	CC-4	4 Hrs	2	50	3
9	B.Sc 202	Mathematics- II	CC-5	4 Hrs	2	50	3
10	B.Sc 203	Computer Science/Physics -II	CC-6	4Hrs	2	50	3
11	B.Sc 204	Electronic Practical-II	PR-4	2P Hrs	2	25P	1
12	B.Sc 205	Mathematics Practical-II	PR-5	2P Hrs	2	25P	1
13	B.Sc 206	Computer Science/Physics Practical-II	PR-6	2P Hrs	2	25P	1
14	IDE	Elective Courses -Fundamentals of Electronics	EC-1	2Hrs	2	50	1
15	Cvw	NCC/NSS/Sports-Certified voluntary work	EC-1	2hrs	No Exam	Certificate	1
16	HVPE	Human Values & Professional Ethics	FC-1	2Hrs	2	50	1
SECOND YEAR - SEMESTER-III							
17	B.Sc 301	Power Supplies & Analog Circuits	CC-7	4Hrs	2	50	3
18	B.Sc 302	Mathematics- III	CC-8	4 Hrs	2	50	3
19	B.Sc 303	Computer Science/Physics -III	CC-9	4Hrs	2	50	3
20	B.Sc 304	Electronic Practical-III	PR-7	2PHrs	2	25p	1
21	B.Sc 305	Mathematics Practical-III	PR-8	2PHrs	2	25p	1
22	B.Sc 306	Computer Science/Physics Practical-III	PR-9	2PHrs	2	25p	1
23	Add on	Elective Courses- Digital signal Processing	EC-2	2 Hrs	2	50	1
SECOND YEAR - SEMESTER IV							
24	B.Sc 401	Application of Operational Amplifiers & Communications	CC-10	4Hrs	2	50	3
25	B.Sc 402	Mathematics- IV	CC-11	4Hrs	2	50	3
26	B.Sc 403	Computer Science/Physics -IV	CC-12	4Hrs	2	50	3
27	B.Sc 404	Electronic Practical-IV	PR-10	2PHrs	2	25P	1
28	B.Sc 405	Mathematics Practical-IV	PR-11	2PHrs	2	25P	1
29	B.Sc 406	Computer Science/Physics Practical-IV	PR-12	2PHrs	2	25P	1
30	IDE	Elective Courses-Modern Communication Systems	EC-2	2Hrs	2	50	1
31	CVW	NCC/ NSS/ SPORTS	EC-2	2Hrs	No exam	Certificate	1
32	EVS-	Environmental Science	FC-2	2Hrs	2	50	1
THIRD YEAR - SEMESTER-V							
33	B.Sc 501	Digital Electronics & Microprocessor	CC-13	6 Hrs	3	100	4
34	B.Sc 502	Mathematics- V	CC-14	6 Hrs	3	100	4
35	B.Sc 503	Computer Science/Physics -V	CC-15	6 Hrs	3	100	4
36	B.Sc 504	Electronic Practical-V	PR-13	4PHrs	3	50p	2
37	B.Sc 505	Mathematics Practical-V	PR-14	4PHrs	3	50p	2
38	B.Sc 506	Computer Science/Physics Practical-V	PR-15	4PHrs	3	50p	2
39	A-Add On	Elective Courses-PIC & ATMEL Microcontrollers	EC-3	2hrs	2	50	1
THIRD YEAR - SEMESTER-VI							
40	B.Sc 601	Fundamentals of Embedded Systems & Application	CC-16	6Hrs	3	100	4
41	B.Sc 602	Mathematics- VI	CC-17	6Hrs	3	100	4
42	B.Sc 603	Computer Science/Physics -VI	CC-18	6Hrs	3	100	4
43	B.Sc 604	Electronic Practical- VI	PR-16	4PHrs	3	50p	2
44	B.Sc 605	Mathematics Practical- VI	PR-17	4PHrs	3	50p	2
45	B.Sc 606	Computer Science/Physics Practical- VI	PR-18	4PHrs	3	50p	2
46	IDE	Elective Courses- Microprocessor & Microcontroller	EC-3	2 Hrs	2	50	1
47	CVW	NCC/ NSS/ SPORTS	EC-3	2Hrs	No Exam	Certificate	1
48	S&C	Science & Civilisation	FC-3	2Hrs	2	50	1
		TOTAL		144+24=168 Hrs	84+18=102	1800+450=2250	84+12=96

Notation: T - Theory; PR - Practical; CT - Course Title; CC-Core Courses; EC- Elective Course; CVW - Certified Voluntary Work; FC - (Value Education): Foundation course
CC = 18 ; PR=18 ; EC (Add on) = 3; EC (IDE) = 3; EC (CVW) = 3; VE = 3

SEMESTER - III

Subject Code	Subject / Paper	Theory / Practical	Instruction Hrs / Week	Credits	Evaluation		Duration of External Examination
					Internal	External	
MBOT.CC.T.2.301	Cell Biology, Genetics and Biostatistics	Theory (Paper-I)	4	4	20	80	3
MBOT.CC.T.2.302	Environmental Pollution & Protection	Theory (Paper-II)	4	4	20	80	3
MBOT.EC.T.2.303	Specialization - (A/B/C/D/E)	Theory (Paper-III)	4	4	20	80	3
MBOT.EC.T.2.304	Specialization - (A/B/C/D/E)	Theory (Paper-IV)	4	4	20	80	3
MBOT.CC.P.2.305	Practical Lab - I	Practical (Paper-I)	4	2	-	50	4
MBOT.CC.P.2.306	Practical Lab - II	Practical (Paper-II)	4	2	-	50	4
MBOT.EC.P.2.307	Practical Lab - III	Practical (Paper-III)	4	2	-	50	4
MBOT.EC.P.2.308	Practical Lab - IV	Practical (Paper-IV)	4	2	-	50	4
			32	24	600		



 Several handwritten signatures and initials are present below the table. One large signature appears to be 'Rudra', and another is 'Suman'. There are also several smaller initials and marks, including 'H', 'K', and 'OH'.

SEMESTER - IV

Subject Code	Subject / Paper	Theory / Practical	Instruction Hrs / Week	Credits	Evaluation		Duration of External Examination
					Internal	External	
MBOT.O.C.T.2.401	Ecology & Phytogeography	Theory (Paper-I)	4	4	20	80	3
MBOT.O.C.T.2.402	Horticulture & Plant Breeding	Theory (Paper-II)	4	4	20	80	3
MBOT.E.C.T.2.403	Specialization - (A/B/C/D/E)	Theory (Paper-III)	4	4	20	80	3
MBOT.E.C.T.2.404	Specialization - (A/B/C/D/E) / Project*	Theory (Paper-IV) / Project*	4	4	20	80	3
MBOT.O.C.P.2.405	Practical Lab - I	Practical (Paper-I)	4	2	-	50	4
MBOT.O.C.P.2.406	Practical Lab - II	Practical (Paper-II)	4	2	-	50	4
MBOT.E.C.P.2.407	Practical Lab - III	Practical (Paper-III)	4	2	-	50	4
MBOT.E.C.P.2.408	Practical Lab - IV / Project*	Practical (Paper-IV) / Project*	4	2	-	50	4
			32	24	600		

* Project work / Dissertation in place of one elective course and one practical that accounts to 6 Credits.

Total number of Credits for the 2-year M.Sc. Botany Programme: 96

Note: Specializations (A/B/C/D/E): Given in next page



 Sumera
 Haja
 M. J.
 D. J.

Anwarul Uloom College

Botany UG Syllabus (I-VI) Semester

S.No.	Semester	Course/ Paper	Code No.	Teaching Hrs	No.of Credits
5.	V	Paper-V Theory Cell Biology, Genetics, Ecology and Biodiversity	6507	6hrs	4
		Practical-Paper V: Cell Biology, Genetics, Ecology and Biodiversity	6507-P	4hrs	2
		Add On : E-waste management.	A6507	2hrs	1
6.	VI	Paper-VI Theory Plant Physiology, Tissue Culture, Biotechnology, Seed Technology and Horticulture	6607	6hrs	4
		Practical-Paper VI: Physiology, Tissue Culture, Biotechnology, Seed Technology and Horticulture	6607-P	4hrs	2
		IDE: Herbal Medicine.	16607	2hrs	1

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Anwarul Uloom P.G. College (Autonomous)
M.Sc. Botany Scheme of Papers & Examinations

Semester-I

Paper	Title	Theory Hrs/Week	Practical Hrs/Week	Max. Marks Theory
I	Phycology and Mycology	4	4 & 4 credits	80 External +20 Internal = 100
II	Bryophyta and Pteridophyta	4	4 & 4 credits	80+20=100
III	Taxonomy and Medicinal Botany	4	4 & 4 credits	80+20=100
IV	Plant BioChemistry	4	4 & 4 credits	80+20=100
V	Communicative English & Soft Skills (Add on Paper)	4	2 credits	40+10 Internal Asses.+50 Qs. based on concept

Semester-II

Paper	Title	Theory Hrs/Week	Practical Hrs/Week	Max. Marks Theory
I	Applied Phycology and Mycology	4	2 & 1 credit	100
II	Gymnosperms and Embryology	4	2 & 1 credit	100
III	Plant Anatomy and Palynology	4	2 & 1 credit	100
IV	Plant Physiology	4	2 & 1 credit	100
V	Human Values and Professional Ethics (Add on Paper)	2 credits.	-	40+10 Internal Asses.+50Qs. Based on Concept.

CBCS Practical exams will be conducted at the end of each Semester for M.Sc.

Internal Asses. 15 Marks +5 Marks Assignment for each Paper and 80 marks for Final Exam.



Anwarul Uloom College
B.Sc. Botany

SEMESTER-WISE SYLLABUS AND MARKS DISTRIBUTION

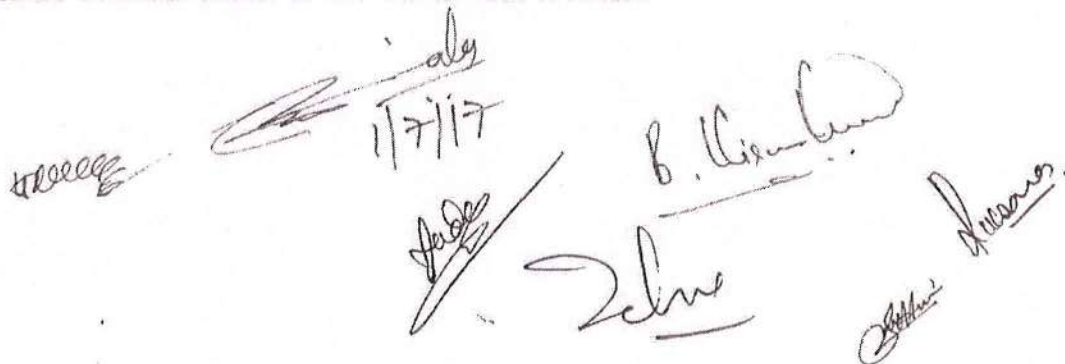
THEORY:

S.N O	Semester	Paper	Hours	Marks			credits
				Internal Evaluation	Semester Exams	Total	
1	I	Microbial Diversity of Lower Plants	4hrs	15	35	50	3
2	II	Bryophytes, Pteridophytes, Gymnosperms and Palaeobotany	4hrs	15	35	50	3
3	III	Taxonomy and Medicinal Botany	4hrs	15	35	50	3
4	IV	Plant Anatomy, Embryology & Palynology	4hrs	15	35	50	3
5	V	Cell Biology, Genetics, Ecology and Bio-diversity	6hrs	40	60	100	4
6	VI	Physiology, Tissue Culture, Biotechnology, Seed Technology and Horticulture.	6hrs	40	60	100	4

PRACTICALS:

	Paper	hours	Marks	Credits
At the end of I - Sem & end of II - Sem.	Microbial Diversity of Lower Plants. Bryophytes, Pteridophytes, Gymnosperms and Palaeobotany.	4hrs	50	2
At the end of III Sem - & end of IV Sem.-	Taxonomy and Medicinal Botany Plant Anatomy, Embryology & Palynology	4hrs	50	2
At the end of V Sem.	Cell Biology, Genetics, Ecology and Bio-diversity	4hrs	50	2
At the end of VI Sem.	Physiology, Tissue Culture, Biotechnology, Seed Technology and Horticulture	4 hrs	50	2

Note : CBCS Practical Exam at the end of each semester.



 11/7/17

Botany UG Syllabus (I-VI) Semester

S.No	Semester	Course /Paper	Code No	Teaching Hrs	No. of Credits
1.	I	Paper-I Theory Microbial Diversity of lower plants .	6107	4 hrs	3
		Practical-Paper I: Microbial Diversity of lower plants.	6107-P	2hrs	1
		Add On : Mushroom Cultivation	A6107	2hrs	1
2.	II	Paper-II Theory Bryophytes, Pteridophytes, Gymnosperms and Paleobotany.	6207	4 hrs	3
		Practical-Paper II: Bryophytes, Pteridophytes, Gymnosperms and Paleobotany	6207-P	2hrs	1
		IDE: Landscape Designing	I6207	2hrs	1
3.	III	Paper-III Theory Taxonomy of Angiosperms and Medicinal Botany	6307	4hrs	3
		Practical-Paper III: Taxonomy & Medicinal Botany.	6307-P	2hrs	1
		Add On : BioFertilizers	A6307	2hrs	1
4.	IV	Paper-IV Theory Anatomy , Embryology and Palynology	6407	4hrs	3
		Practical-Paper IV: Anatomy , Embryology and Palynology.	6407-P	2hrs	1
		IDE: Forestry	I6407	2hrs	1

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Semester-II

Subject Code	Subject / Paper	Theory / Practical	Instruction Hrs /Week	Credits	Evaluation		Duration of External Examination
			Th/ Pr.		Internal	External	
MBOT.CC.T.1.201	Applied Phycoogy and Mycology	Theory (Paper-I)	4	4	20	80	3
MBOT.CC.T.1.202	Gymnosperms and Embryology	Theory (Paper-II)	4	4	20	80	3
MBOT.CC.T.1.203	Plant Anatomy and Palynology	Theory (Paper-III)	4	4	20	80	3
MBOT.CC.T.1.204	Plant Physiology	Theory (Paper-IV)	4	4	20	80	3
MBOT.CC.P.1.205	Practical Lab - I	Practical (Paper-I)	4	2	-	50	4
MBOT.CC.P.1.206	Practical Lab - II	Practical (Paper-II)	4	2	-	50	4
MBOT.CC.P.1.207	Practical Lab - III	Practical (Paper-III)	4	2	-	50	4
MBOT.CC.P.1.208	Practical Lab - IV	Practical (Paper-IV)	4	2	-	50	4
			32	24	600		



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**ANWARUL ULOOM COLLEGE
(AUTONOMOUS)
M.Sc. BIOTECHNOLOGY SYLLABUS (2017 – 2018)
CHOICE BASED CREDIT SYSTEM (CBCS)**

SEMESTER – III

Syllabus Ref No	Subject	Credits	Teaching Hours	Marks		
				Internal Assessment	Semester Exam	Total
THEORY						
BT 301 T	Recombinant DNA technology	4	4	20	80	100
BT 302 T	Bioinformatic & Its Applications	4	4	20	80	100
BT 303 T	Elective: A. Advance in plant Biotechnology (or) B. Food Biotechnology	4	4	20	80	100
BT 304 T	Elective: A. Animal Biotechnology (or) B. Protein Engineering	4	4	20	80	100
PRACTICALS						
BT 351 P	Recombinant DNA technology	2	4		50	50
BT 352 P	Bioinformatic & Its Applications	2	4		50	50
BT 353 P	Elective: A. Advance in plant Biotechnology (or) B. Food Biotechnology	2	4		50	50
BT 354 P	Elective: A. Animal Biotechnology (or) B. Protein Engineering	2	4		50	50
	Total	24	32	80	520	600

SEMESTER – IV

Syllabus Ref No	Subject	Credits	Teaching Hours	Marks		
				Internal Assessment	Semester Exam	Total
THEORY						
1. BT 401 T	BioprocessEngineering	4	4	20	80	100
2. BT 402 T	MedicalBiotechnology	4	4	20	80	100
3. BT 403 T	Elective: A.EnvironmentalBiotechnology B.Biopharmacology	4	4	20	80	100
4. BT 404 T	ProjectWork	4	4	20	80	100
PRACTICALS						
BT 451 P	BioprocessEngineering	2	4		50	50
BT 452 P	MedicalBiotechnology	2	4		50	50
BT 453 P	Elective: A.EnvironmentalBiotechnology B.Biopharmacology	2	4		50	50
BT 454 P	Projectthesispresentation	2	4		50	50
	Total	24	32	80	520	600
	Grandtotal					2400

T-Theory, P-Practical

Dr. H. SUREKHA RANI
Assistant Professor

Chairperson BOS Biotechnology
Department of Genetics & Biotechnology
Osmania University, Hyderabad-07.

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ANWARUL ULOOM COLLEGE
(AUTONOMOUS)
M.Sc. BIOTECHNOLOGY SYLLABUS (2017 – 2018)
CHOICE BASED CREDIT SYSTEM (CBCS)

SEMESTER – I							
S No	Syllabus Ref No	Subject	Credits	Teaching Hours	Mark		
					Internal Assessment	Semester Exam	Total
THEORY							
	BT 101 T	Cell Biology and Genetics	4	4	20	80	100
	BT 102 T	Biological chemistry	4	4	20	80	100
	BT 103 T	Microbiology	4	4	20	80	100
	BT 104 T	Statistics, laboratory management & safety, entrepreneurship	4	4	20	80	100
PRACTICALS							
	BT 151 P	Cell Biology and Genetics	2	4		50	50
	BT 152 P	Biological chemistry	2	4		50	50
	BT 153 P	Microbiology	2	4		50	50
	BT 154 P	Statistics, LM&S, & E.	2	4		50	50
		Total	24	32	80	520	600

SEMESTER – II							
S No	Syllabus Ref No	Subject	Credits	Teaching Hours	Marks		
					Internal Assessment	Semester Exam	Total
THEORY							
1.	BT 201 T	Molecular Biology- The Genome	4	4	20	80	100
2.	BT 202 T	Molecular Biology- Genes to Proteins	4	4	20	80	100
3.	BT 203 T	Immunology	4	4	20	80	100
4.	BT 204 T	Microbial technology	4	4	20	80	100
PRACTICALS							
1.	BT 251 P	Molecular Biology- The Genome	2	4		50	50
2.	BT 252 P	Molecular Biology- Genes to Proteins	2	4		50	50
3.	BT 253 P	Immunology	2	4		50	50
4.	BT 254 P	Microbial technology	2	4		50	50
		Total	24	32	80	520	600

T- Theory, P-Practical

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Dr. H. SUREKHA RANI
Assistant Professor
Chairperson BOS Biotechnology
Department of Genetics & Biotechnology
Osmania University, Hyderabad-07.

B.Sc.(Biotechnology, Micro-Biology & Chemistry)

Subject: Biotechnology

Semester	Course/paper	Code No	Teaching Hours/week	No of credits.
I	Paper-I(Theory) Genetics.	6108	4hrs	3
	Paper-I(Prac.)	6108P	2hrs	1
	Add-on	A6108	2hrs	1
II	Paper- II)Theory NucleicAcids & Bioinformatics	6208	4hrs	3
	Paper-II (Prac.)	6208P	2hrs	1
	IDE	I6208	2hrs	1
III	PaperIII- (Theory) Biological Chemistry.	6308	4hrs	3
	Paper-III (Prac.)	6308P	2hrs	1
	Add-on	A6308	2hrs	1
IV	Paper- IV (Theory) Micro-Biology& Immunology	6408	4hrs	3
	Paper-IV (Prac.)	6408P	2hrs	1
	IDE	I6408	2hrs	1
V	Paper -V (Theory) rDNA Technology	6508	6hrs	4
	Paper-V(Prac.)	6508P	2hrs	2
	Add-on	A6508	2hrs	1
VI	Paper- VI (Theory) Applied Biotechnology	6608	6hrs	4
	Paper-VI(Prac.)	6608P	2hrs	2
	IDE	I6608	2hrs	1

Adv in Biotech

Env. Biotech

H. SUREKHA RANI

Dr. H: SUREKHA RANI
Assistant Professor
Chairperson BOS Biotechnology
Department of Genetics & Biotechnology
Osmania University, Hyderabad-07.

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ANWARUL ULOOM COLLEGE (AUTONOMOUS)

(An Autonomous Muslim Minority Institute)
New Mallepally, Hyderabad – 500 001, T.S., India.
(Affiliated to Osmania University)

Department of Chemistry Paper Titles & Marks Details (Course Structure & Scheme of Examination)

Paper No	Code No	Title	Hours /week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam
					Max	Min			
M.Sc, I-Year, I-Semester (CBCS)									
Theory									
I	511	Inorganic Chemistry	4 Hrs	20	80	32	100	4	3 Hrs
II	512	Organic Chemistry	4 Hrs	20	80	32	100	4	3 Hrs
III	513	Physical Chemistry	4 Hrs	20	80	32	100	4	3 Hrs
IV	514	Analytical Techniques and Spectroscopy-I	4 Hrs	20	80	32	100	4	3 Hrs
	116	IDE: Communicative English & Soft Skills	2 Hrs	10	40	20	-	2	3 Hrs
Practicals									
	515 P	Inorganic Chemistry	6 Hrs	-	75	38	75	3	3 Hrs
	516 P	Organic Chemistry	6 Hrs	-	75	38	75	3	3 Hrs
	517P	Physical Chemistry	6 Hrs	-	75	38	75	3	3 Hrs
		Total	36 Hrs				625	25	
M.Sc. I-Year, II-Semester (CBCS)									
Theory									
I	521	Inorganic Chemistry	4 Hrs	20	80	32	100	4	3 Hrs
II	522	Organic Chemistry	4 Hrs	20	80	32	100	4	3 Hrs
III	523	Physical Chemistry	4 Hrs	20	80	32	100	4	3 Hrs
IV	524	Analytical Techniques and Spectroscopy-II	4 Hrs	20	80	32	100	4	3 Hrs
	126	IDE: Human Values & Professional Ethics	2 Hrs	-	50	20	-	2	2 Hrs
Practicals									
	525 P	Inorganic Chemistry	6 Hrs	-	75	38	75	3	3 Hrs
	526 P	Organic Chemistry	6 Hrs	-	75	38	75	3	3 Hrs
	527 P	Physical Chemistry	6 Hrs	-	75	38	75	3	
		ToTal	36 Hrs				625	25	

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Head of the Department

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DEPARTMENT OF CHEMISTRY
Anwarul-Uloom College
New Mallepally, Hyderabad

ANWARUL ULOOM COLLEGE (AUTONOMOUS)

(An Autonomous Muslim Minority Institute)
New Mallepally, Hyderabad – 500 001, T.S., India.
(Affiliated to Osmania University)

Department of Chemistry Paper Titles & Marks Details (Course Structure & Scheme of Examination)

S. No.	Paper No.	Code No.	Title	Hours /Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exams
						Max	Min			
M.Sc. II- Year , IV-Semester (CBCS)										
			Theory							
1	I	541	Drug Design and Drug Discovery	4 Hrs	20	80	32	100	4	3 Hrs
2	II	542	Drug Synthesis and Mechanism of Action	4 Hrs	20	80	32	100	4	3 Hrs
3	III	543	Advanced Heterocyclic Chemistry	4 Hrs	20	80	32	100	4	3 Hrs
4	IV	544	Advanced Natural Products	4 Hrs	20	80	32	100	4	3 Hrs
5		545	IDE : Food Micro - Biology	2 Hrs	10	50	20	50	2	2 Hrs
			Seminar	2 Hrs	-	25	-	25	1	2 Hrs
			Practicals							
6		546 P	Spectroscopic Identification of Organic Compounds and Practice of Chemistry Software Programmes	6 Hrs	-	100	50	100	4	3 Hrs
7		547 P	Synthesis and Analysis of Drugs	6 Hrs	-	100	50	100	4	3 Hrs
8			Total	32 Hrs				625	25	

project work

Head of the Department

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DEPARTMENT OF CHEMISTRY
Anwarul-Uloom Co. Ltd.
New Mallepally, Hyderabad

ANWARUL ULOOM COLLEGE (AUTONOMOUS)

(An Autonomous Muslim Minority Institute)
New Mallepally, Hyderabad – 500 001, T.S., India.
(Affiliated to Osmania University)

Department of Chemistry Paper Titles & Marks Details (Course Structure & Scheme of Examination)

S. No.	Paper No.	Code No.	Title	Hours /Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exams
						Max	Min			
M.Sc. II- Year , III-Semester (CBCS)										
Theory										
1	I	531	Synthetic Reagents, Advanced NMR, Conformational Analysis and ORD	4 Hrs	20	80	32	100	4	3 Hrs
2	II	532	Modern Organic Synthesis	4 Hrs	20	80	32	100	4	3 Hrs
3	III	533	Bio Organic Chemistry	4 Hrs	20	80	32	100	4	3 Hrs
4	IV	534	Green Chemistry and Organic Materials	4 Hrs	20	80	32	100	4	3 Hrs
5		535	IDE : Bio-technology & Health Care	2 Hrs	10	40	20	50	2	2 Hrs
			Seminar	2 Hrs	-	25	-	25	1	2 Hrs
Practicals										
6		536 P	Synthesis of Organic Molecules, Isolation of Natural Products and TLC	6 Hrs	-	100	50	100	4	3 Hrs
7		537 P	Separation and identification of Organic Compounds and Column Chromatography	6 Hrs	-	100	50	100	4	3 Hrs
8			Total	32 Hrs				625	25	

Synthesis & Analysis
Drugs & Column Chromatography

Head of the Department

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DEPARTMENT OF CHEMISTRY
Anwarul-Uloom College
New Mallepally, Hyderabad

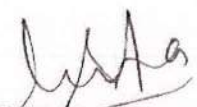
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B.Sc (M.P.C; B.Z.C. B.M.C & N.Z.C)

SUBJECT: CHEMISTRY

Semester	Course / Paper	Code. No.	Teaching hrs/Week	No. of Credits
I	Paper-I (Theory)	6109	4 Hrs	3
	Paper-II (Practical's)	6109 P	2 Hrs	1
	Add-on: Fuel Chemistry	A6109	2 Hrs	1
II	Paper-II (Theory)	6209	4 Hrs	3
	Paper-II (Practical's)	6209 P	2 Hrs	1
	IDE: Water Technology	I6209	2 Hrs	1
III	Paper-I (Theory)	6309	4 Hrs	3
	Paper-II (Practical's)	6309P	2 Hrs	1
	Add on: Soaps & Detergents	A6309	2 Hrs	1
IV	Paper-IV (Theory)	6409	4 Hrs	3
	Paper-IV (Practical's)	6409P	2 Hrs	1
	IDE: Industrial Chemistry	I6409	2 Hrs	1
V	Paper - V (Theory) A	6509 A	6 Hrs	4
	Paper - V (Theory) B Paper - V (Practical's)	6509 B 6509 P	4 Hrs	2
VI	Paper - Vi (Theory)	6609 A	6 Hrs	4
	Paper - VI (Practical's)	6609 P	4 Hrs	2

157


 DEPARTMENT OF CHEMISTRY
 Anwarul-uloom College
 New Mallepally, Hyderabad

157
 157
 157

ANWAR UL ULOOM COLLEGE, AS PER CHOICE BASED CREDIT SYSTEM, W.E.F. YEAR - 2015-16

ANWAR UL ULOOM COLLEGE

(An Autonomous Muslim Minority Institution, Affiliated to Osmania University)
New Mallepally, Hyderabad-1

DEPARTMENT OF COMPUTER SCIENCE

STRUCTURE OF MODEL CURRICULUM FOR B.Sc. I, II & III YEAR EFFECTIVE FROM THE ACADEMIC YEAR 2015-16 ON WARDS AS PER THE CHOICE BASED CREDIT SYSTEM (CBCS)

Class	Semester	Course/Paper	Code No	Teaching Hours Per week	No of Credits
B.Sc. First Year (w.e.f. 2015-16)	I	Paper - I (Theory) Programming in C	6110	4 hrs	3
		Paper - I (C-LAB)	6110P	2 hrs	1
		Add-on Introduction to Internet	A6110	2 hrs	1
	II	Paper - II (Theory) Programming in C++	6210	4 hrs	3
		Paper -II (C++-LAB)	6210P	2 hrs	1
		IDE Fundamentals of Computing	I6210	2 hrs	1
B.Sc. Second Year (w.e.f. 2016-17)	III	Paper -III (Theory) OOP Through Java	6310	4 hrs	3
		Paper -III (Java-LAB)	6310P	2 hrs	1
		Add-on M-Commerce	A6310	2hrs	1
	IV	Paper -IV (Theory) Data Structure	6410	4 hrs	3
		Paper -V(DS- LAB)	6410P	2 hrs	1
		IDE Basics Of Programming	I6410	2 hrs	1
B.Sc. Third Year (w.e.f. 2017-18)	V	Paper -V (Theory) Database Management System	6510	6 hrs	6
		Paper -IV(DBMS-LAB)	6510P	4 hrs	2
		Add-on Software Engineering	A6510	2 hrs	1
	VI	Paper -VI (Theory) Web Technologies	6610	6 hrs	6
		Paper -VI (Web-LAB)	6610P	4 hrs	2
		IDE Basic Web Designing	I6610	2 hrs	1

Dr. P. D. PAD
Dept. of Computer Science & Engg
A.U. College, Mallepally, Hyd. L. A.P.

CHAIRMAN
Board of Studies in Computer Science
Dept. of Mathematics
Osmania University, Hvd

61

2017 - 2018

B.Sc (Maths, physics chemistry) and MECS ,MPCS programmes

SUBJECT : Mathematics

Semester	Course/paper	Code no	Teaching hours per week	No of credits
I	Paper – I (THEORY) Differential calculus	6114	4hrs	3
	Paper I (Practicals)	6114P	2hrs	1
	Add – on Discrete mathematics	A114	2hrs	1
II	Paper – II (theory) Differential equations	6214	4hrs	3
	Paper –II (Practicals)	6214P	2hrs	1
	IDE Basic mathematics – I	I6214	2hrs	1
III	Paper III (theory) Real analysis	6314	4hrs	3
	Paper – III (practicals)	6314P	2hrs	1
	Add – on Graph theory	A6314	2hrs	1
IV	Paper – IV (theory) Algebra	6414	4hrs	3
	Paper – iv (practical)	6414P	2hrs	1
	IDE Basic mathematics – II	I6414	2hrs	1
V	Paper v (theory) Linear algebra	6514	6hrs	4
	Paper – V (Practicals)	6514P	2hrs	2
	Add – on Probability and statistic	A6514	2hrs	1
VI	Paper – VI (Theory) Numerical analysis	6614	6hrs	4
	Paper – VI (Practicals)	6614P	2hrs	2
	IDE Calculus	I6614	2hrs	1

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 Prof. M. V. Ramana Murthy
 Chairman
 BoS in Mathematics
 Department of Mathematics
 Osmania University,
 Hyderabad-500007

Department of MATHEMATICS, OU
Proposed Choice Based Credit System (CBCS)
M.Sc Applied Mathematics

2017-2018

Semester -II

S.No.	Code No	Paper	Paper Title	Hrs/Week	Internal Assessment	Semester Exam	Total Marks	Credits
1. Core	AM 201	I	Advanced Algebra	4	20	80	100	4
2. Core	AM 202	II	Advanced Analysis	4	20	80	100	4
3. Core	AM 203	III	Complex Analysis	4	20	80	100	4
4. Core	AM 204	IV	Fluid Mechanics	4	20	80	100	4
5. Practicals	AM 251	Practical	Advanced Algebra	4	....	50	50	2
6. Practicals	AM 252	Practical	Advanced Analysis	4	....	50	50	2
7. Practicals	AM 253	Practical	Complex Analysis	4	....	50	50	2
8. Practicals	AM 254	Practical	Fluid Mechanics	4	....	50	50	2
Total :				32				24
9. Add on Course			Basic of Computer	2	10	40	50	1

(96)

(13)

Semester -III

Department of MATHEMATICS,
Proposed Choice Based Credit System (CBCS)
M.Sc Applied Mathematics

AUC

2017-2018

S.No.	Code No	Paper	Paper Title	Hrs/Week	Internal Assessment	Semester Exam	Total Marks	Credits
1. Core/Common	AM 301	I	Viscous Flows	4	20	80	100	4
2. Core/Common	AM 302	II	Finite Difference Methods	4	20	80	100	4
3. Elective	AM 303(A)	III(A)	Compressible Flows	4	20	80	100	4
	AM 303(B)	III(B)	Integral Transforms					
	AM 303(C)	III(C)	Differential Geometry					
4. Elective	AM 304(A)	IV(A)	Operations Research	4	20	80	100	4
	AM 304(B)	IV(B)	Numerical Techniques					
	AM 304(C)	IV(C)	Dynamical Systems					
5. Practicals	AM 351	Practical	Viscous Flows	4	.....	50	50	2
6. Practicals	AM 352	Practical	Finite Difference Methods	4	.....	50	50	2
	AM 353(A)		Compressible Flows					
	AM 353 (B)		Integral Transforms					
7. Practicals	AM 353 (C)	Practical	Differential Geometry	4	.....	50	50	2
	AM 354(A)		Operations Research					
8. Practicals	AM 354 (B)	Practical	Numerical Techniques	4	.....	50	50	2
	AM 354 (C)		Dynamical Systems					
Total :				32	80	520	625	24

10

(96)

Semester -IV

Department of MATHEMATICS, ~~OR~~ AUC
 Proposed Choice Based Credit System (CBCS)
 M.Sc Applied Mathematics

2017-2018

S.No.	Code No	Paper	Paper Title	Hrs/Week	Internal Assessment	Semester Exam	Total Marks	Credits
1. Core	AM 401	I	Advanced Complex Analysis	4	20	80	100	4
2. Core	AM 402	II	Finite Element Methods	4	20	80	100	4
3. Elective	AM 403(A)	III (A)	Integral Equations & Calculus of variations	4	20	80	100	4
	AM 403(B)	III (B)	MHD					
	AM 403(C)	III (C)	Bio-Mechanics					
4. Elective	AM 404(A)	IV(A)	Functional Analysis	4	20	80	100	4
	AM 404(B)	IV(B)	Discrete Mathematics					
	AM 404 (C)	IV(C)	Topology					
	AM 404 (D)	IV(D)	Project					
5. Practicals	AM 451	Practical	Advanced Complex Analysis	4	....	50	50	2
6. Practicals	AM 452	Practical	Finite Element Methods	4	....	50	50	2
7. Practicals	AM 453 (A)	Practical	Integral Equations & Calculus of variations	4	....	50	50	2
	AM 453 (B)		MHD					
	AM 453 (C)		Bio - Mechanics					
8. Practicals	AM 454 (A)	Practical	Functional Analysis	4	....	50	50	2
	AM 454 (B)		Discrete Mathematics					
	AM 454 (C)		Topology					
9. Seminar			Seminar	2	....	....	25	1
Total :				32	80	520	600	24

123

124

B.Sc.(Biotechnology, Micro-Biology & Chemistry)

Subject: Microbiology

Semester	Course/paper	Code No	Teaching Hours/week	No of credits.
I	Paper-I(Theory) General Microbiology - I	6115	4hrs	24
	Paper-I (Prac.) Add-on Bioremediation	6115P	2hrs	1
II	Paper- II(Theory) General	A6115 6215	2hrs 4hrs	1 3
	Paper-II (Prac.) IDE Biopesticides	6215P	2hrs	1
	Paper III-(Theory) Microbial Physiology & Enzymology	I6215 6315	2hrs 4hrs	1 3
III	Paper-III (Prac.) Add-on Soil Microbiology	6315P A6315	2hrs 2hrs	1 1
	Paper-IV(Theory) Microbial Genetics & Molecular Biology	6415 6415P	4hrs 2hrs	3 1
	Paper-IV (Prac.) IDE Food Microbiology	I6415	2hrs	1
	Paper -V (Theory) Immunology & Medical Microbiology	6515 6515P	6hrs 4hrs	4 2
V	Paper-V (Prac.) Add-on Contagious Diseases & Immunization	A6515	2hrs	1
	Paper-VI(Theory) Applied Microbiology	6615	6hrs	4
VI	Paper-VI (Prac.) IDE Food Adulteration	6615P I6615	4hrs 2hrs	2 1

Note: From 2017-18 onwards for
First year 1 hour 1 credit

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J.P. [Signature]

Chairman, B.S.
Dept of Microbiology
Osmania University, Hydr

UNIVERSITY COLLEGE FOR WOMEN, OSMANIA UNIVERSITY
DEPARTMENT OF FOOD AND NUTRITION
2016 - 2018

THEORY

Year	Semester	Paper	Sub Code	Title of paper	Credits	Instruction Hrs/wk	Duration of exam	Max marks
I	I	I	101	Nutritional Biochemistry	4	4	2	50
	II	II	201	Nutrition Through the Life Cycle	4	4	2	50
II	III	III	301	Introduction to Food Technology	4	4	2	50
	IV	IV	401	Food Technology	4	4	2	50
III	V	V	501	Therapeutic Nutrition	3	3	2	50
		VI	502	Public Health / Community Nutrition and Health Education	3	3	2	50
	VI	VII	601	Diet Therapy	3	3	2	50
		VIII	602	Food Safety and Quality Control/Food Microbiology	3	3	2	50
TOTAL CREDITS					28			

PRACTICALS

Year	Semester	Paper	Sub Code	Title of paper	Credits	Instruction Hrs/wk	Duration of exam	Max marks
I	I	I	151	Nutritional Biochemistry	1	3	3	25
	II	II	251	Nutrition Through the Life Cycle	1	3	3	25
II	III	III	351	Introduction to Food Technology	1	3	3	25
	IV	IV	451	Food Technology	1	3	3	25
III	V	V	551	Therapeutic Nutrition	1	3	3	25
		VI	552	Public Health / Community Nutrition and Health Education	1	3	3	25 25
	VI	VII	651	Diet Therapy	1	3	3	25
		VIII	652	Food Safety and Quality Control/Food Microbiology	1	3	3	25 25
TOTAL CREDITS					8			
Total Practical Marks								200
Total of theory and Practical								400 + 200 = 600

Note: Theory Total 50 marks (40 Marks for final semester end exam and 10 marks for average of 2 internal Assessments).

Practical Total 25 marks (20 marks for final practical semester end exam and 5 marks Internal Assessment)

Dr. KAVITA WACHRAY
 Professor
 Food Technology Department
 University College of Technology (A),
 Osmania University, Hyderabad-500 007

M.Sc. (Nutrition and Dietetics)
Choice Based Credit system (CBCS) Syllabus
COURSE OUTLINE AND SCHEME OF EXAMINATION

FIRST SEMESTER

Paper No.	Title	Instructions Hrs/ Week	Duration of Examination	Credits	Maximum Marks
Theory					
ND 101 T (CORE)	Human Nutrition	4	3	4	100 (80+20)
ND 102 T (CORE)	Nutritional Biochemistry I	4	3	4	100 (80+20)
ND 103 T (CORE)	Human Physiology	4	3	4	100 (80+20)
ND 104 T (CORE)	Principles of Dietetics	4	3	4	100 (80+20)
Practical					
ND 105 P	Human Nutrition	4	2	2	50
ND 106 P	Nutritional Biochemistry-I	4	2	2	50
ND 107 P	Human Physiology	4	2	2	50
ND 108 P	Principles of Dietetics	4	2	2	50
	Total	16 T + 16P		24	600 (T+P)

SECOND SEMESTER

Paper No.	Title	Instructions Hrs/ Week	Duration of Examination	Credits	Maximum Marks
Theory					
ND 201 T (CORE)	Principles of Foods	4	3	4	100 (80+20)
ND 202 T (CORE)	Nutritional Biochemistry II	4	3	4	100 (80+20)
ND 203 T (CORE)	Diet in Disease	4	3	4	100 (80+20)
ND 204 T (CORE)	Research Methodology	4	3	4	100 (80+20)
Practical					
ND 205 P	Principles of Foods	4	2	2	50
ND 206 P	Nutritional Biochemistry II	4	2	2	50
ND 207 P	Diet in Disease	4	2	2	50
ND 208 P	Research Methodology	4	2	2	50
	Total	16 T + 16P		24	600 (T+P)

M.Sc. (Nutrition and Dietetics)
Restructured Choice Based Credit System (CBCS) Syllabus
COURSE OUTLINE AND SCHEME OF EXAMINATION

THIRD SEMESTER					
Paper No.	Title	Instructions Hrs/ Week	Duration of Examination	Credits	Maximum Marks
Theory					
ND 301 T	Food Microbiology	4	3	4	100 (80+20)
ND 302 T	Food Safety and Quality Control	4	3	4	100 (80+20)
ND 303 T	Product Development	4	3	4	100 (80+20)
ND 304 T	Advanced Nutrition	4	3	4	100 (80+20)
Practicals					
ND 305 P	Food Microbiology & Food Safety	8	4	4	100
ND 306 P	Product Development Seminar	8	4	4	100
	Total Marks	4			600
					Theory + Practical

FOURTH SEMESTER

Paper No.	Title	Instructions Hrs/ Week	Duration of Examination	Credits	Maximum Marks
Theory					
ND 401 T	Choice Based Paper I: Patient Counseling and Computer Applications	4	3	4	100 (80+20)
	Choice Based Paper II: Nutrition in Intensive care	4	3	4	100 (80+20)
ND 402 T	Food Technology	4	3	4	100 (80+20)
ND 403 T	Community Nutrition	4	3	4	100 (80+20)
ND 404 T	Food Service Management	4	3	4	100
Practicals					
ND 405 P	Internship	8	4	4	100
ND 406 P	Project Seminar	8	4	4	100
	Total Marks	4			600
					Theory + Practical

Grand Total Marks of all the Four Semesters = 600+600+600+600=2400

Dr. Kavita Wagh
Professor
Food Technology Department
University College of Food
Dietetics, Pimpri
Chhatrapati Shivaji Maharaj
University, Pune-411 007

POOL	ii) Geriatric Nutrition iii) Clinical Nutrition and Immunology i) Diet and Psychology Counselling skills ii) Nutrition for Fitness and Sports iii) Maternal and Child Nutrition	4	3	4	100 (80+20)
Practical ND 405 P	Hospital Internship in Nutrition and Dietetics	4	2	2	50
ND 406 P	Internship-case studies presentation	4	2	2	50
ND 407 P	Project Work - Collection of Data	4	2	2	50
ND 408 P	Project Work - Report Writing and Presentation of Project Seminar	4	2	2	50
	Total Marks	32		24	600

Grand Total Marks of all the Four Semesters = 600+600+600+600=2400

SEMESTER I
ND 101 T HUMAN NUTRITION (CORE)

4 hrs/week

Objectives:

- To understand the role of adequate nutrition in stages of life cycle.
- To know the nutritional requirement and meal management of athletes.

CREDIT I: PRINCIPLES OF NUTRITION

- Energy value of foods
- Estimation of energy value of foods by Bomb Calorimeter and by Benedict's oxy Calorimeter
- Factors affecting energy requirements:
- Physical activity, Reference man, Reference woman
- Basic five food groups, Nutritional contribution from each group
- Balanced diet, Food Pyramid
- Basic principles of meal planning
- Steps in meal planning, food cost
- Nutritional requirements of adult man
- Nutritional requirements of adult woman

CREDIT II: PREGNANCY, LACTATION AND INFANCY

Pregnancy:

- Physiological changes, Growth of fetus from conception till term
- Maternal weight gain and complications of pregnancy
- Increase in Nutritional requirements during pregnancy

Lactation:

- Development of breast, physiology of lactation
- Nutritional component of colostrum and mature milk

3

Dr. KAVITA WAGHREY

Professor
Food Technology Department
University College of Technology (A),
Osmania University, Hyderabad-500 307.

ANWAR UL ULOOM COLLEGE (AUTONOMOUS) AS PER CHOICE BASED CREDIT SYSTEM (CBCS)
WITH EFFECTIVE FROM THE ACADEMIC YEAR 2015-16



ANWAR UL ULOOM COLLEGE (AUTONOMOUS)

(Affiliated to Osmania University), Mallepally, Hyderabad.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

B.Sc. (Computer Science & Engineering) Programme

AS PER THE CHOICE BASED CREDIT SYSTEM & EFFECTIVE FROM THE ACADEMIC YEAR 2016-17

B.Sc. (CSE) SECOND YEAR

Class	Semester	Course/Paper	Code No	Teaching Hours Per week	No of Credits	
B.Sc.(CSE) Second Year	I	<u>Part I(Languages)</u>	0306	4 hrs	3	
		1. English – III	7351	4hrs	3	
		<u>PartII(Core)</u>	7352	4hrs	3	
		2. Mathematics-III	7352P	2hrs	1	
		3. DLD	7353	4hrs	3	
		4 .DLD-LAB	7353P	2hrs	1	
		5. OS	7354	3hrs	3	
		6. OS-LAB	7354P	2hrs	1	
		7. OOP- C++				
	8. OOP- C++-LAB					
	<u>PartIII|Add-On {Choose one}}</u>					
	9. M-Commerce	A7355	2hrs	1		
	II	<u>PART I (LANGUAGES)</u>				
		1.English - IV	0406	4 hrs	3	
		<u>PART II (OPTIONALS)</u>				
		2. Probability & Stat.	7456	4hrs	3	
		3. Data Structures	7457	4hrs	3	
		4. Data Structures-LAB	7457P	2 hrs	1	
		5. MP8086 & Interfacing	7458	4hrs	3	
6. MP8086 - LAB		7458P	2 hrs	1		
7. Prog. in Java		7459	4hrs	3		
8. Prog. in Java-LAB		7459P	2hrs	1		
<u>PART III (IDE/NCC/NSS/SPORTS)</u>						
<u>IDE</u>						
9.Basics of Programming	I7460	2hrs	1			
Certified voluntary work / NCC/NSS/Sports				1		
<u>Part IV</u>				1		
<u>Human Values and Professional ethics</u>						

HEAD

Dept of Computer Science & Engg
A.U. College Mallepally, Hyderabad.

CHAIRMAN

Board of Studies in CSE
Dept. of Computer Science & Engg.
University College of Engineering

B.Sc. (Maths , Electronics & Computers)

SUBJECT :Electronics

Semester	Course/Paper	Code No	Teaching Hours Per week	Total Marks	No of Credits
I	Paper – I (Theory) Circuit Analysis	6112	4 hrs	50	3 ⁴
	Paper – I (Practicals)	6112P	2 hrs	25	1
	Add-on <i>Industriall electronics</i>	A6112	2 hrs	50	1
II	Paper – II (Theory) Electronic Devices	6212	4 hrs	50	3 ⁴
	Paper –II (Practicals)	6212P	2 hrs	25	1
	IDE <i>Fundamentals of Electronics</i>	I6212	2 hrs	50	1
III	Paper –I II(Theory) Power Supplies & Analog Circuits Paper –III(Pract.)	6312	4 hrs	50	3 ⁴
	Add-on	6312P	2 hrs	25	1
	Digital signal processing	A6312	2hrs	50	1
IV	Paper –IV (Theory) Application of Operational Amplifiers & Communication	6412	4 hrs	50	3 ⁴
	Paper –IV(Pract.)	6412P	2 hrs	25	1
	IDE MODERN COMMUNICATION SYSTEM	I6412	2 hrs	50	1
V	Paper –V (Theory) Digital electronics & Microprocessor-Intel 8085 Paper –V(Pract.)	6512	6 hrs	100	4 + 4
	Add-on PIC & ATMEL Microcontrollers	6512P	4 hrs	50	2 + 2
		A6512	2 hrs	50	1
VI	Paper –VI (Theory) Fundamentals of Embedded Systems & Microcontroller- 8051	6612	6 hrs	100	4 + 6 Prm 4
	Paper –VI (Practicals)	6612P	4 hrs	50	2 + 2
	IDE Microprocessor & Microcontroller	I6612	2 hrs	50	1

Shiba
Head of the Dept of Electronics,
Anwar-ul-uloom College, Malleshpally
Hyderabad.

927
CHAIRMAN
Board of Studies in Electronics
Osmania University, Hyd.

22
24
46



ANWAR UL ULOOM COLLEGE (AUTONOMOUS)

(Affiliated to Osmania University), Mallepally, Hyderabad.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

B.Sc. (Computer Science & Engineering) Programme

AS PER THE CHOICE BASED CREDIT SYSTEM & EFFECTIVE FROM THE ACADEMIC YEAR 2016-17

B.Sc. (CSE) SECOND YEAR

Class	Semester	Course/Paper	Code No	Teaching Hours Per week	No of Credits	
B.Sc.(CSE) Second Year	I	<u>Part I(Languages)</u>	0306	4 hrs	3	
		1. English – III	7351	4hrs	3	
		<u>PartII(Core)</u>	7352	4hrs	3	
		2. Mathematics-III	7352P	2hrs	1	
		3. DLD	7353	4hrs	3	
		4 .DLD-LAB	7353P	2hrs	1	
		5. OS	7354	3hrs	3	
		6. OS-LAB	7354P	2hrs	1	
		7. OOP- C++				
	8. OOP- C++-LAB					
	<u>PartIII|Add-On {Choose one}</u>					
	9. M-Commerce	A7355	2hrs	1		
	II	<u>PART I (LANGUAGES)</u>				
		1.English - IV	0406	4 hrs	3	
		<u>PART II (OPTIONALS)</u>				
		2. Probability & Stat.	7456	4hrs	3	
		3. Data Structures	7457	4hrs	3	
		4. Data Structures-LAB	7457P	2 hrs	1	
5. MP8086 & Interfacing		7458	4hrs	3		
6. MP8086 - LAB		7458P	2 hrs	1		
7. Prog. in Java		7459	4hrs	3		
8. Prog. in Java-LAB		7459P	2hrs	1		
<u>PART III (IDE/NCC/NSS/SPORTS)</u>						
<u>IDE</u>						
9.Basics of Programming	17460	2hrs	1			
Certified voluntary work / NCC/NSS/Sports				1		
				1		
<u>Part IV</u>						
Human Values and Professional ethics						

HEAD

Dept of Computer Science & Engg
A.U. College Mallepally, Hyderabad, A.P.

CHAIRMAN

Board of Studies in CSE
Dept. of Computer Science & Engg.
Osmania University College of Engineering
Mallepally, Hyderabad



ANWAR UL ULOOM COLLEGE (AUTONOMOUS)

(Affiliated to Osmania University), Mallepally, Hyderabad.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

B.Sc. (Computer Science & Engineering) Programme

AS PER THE CHOICE BASED CREDIT SYSTEM & EFFECTIVE FROM THE ACADEMIC YEAR 2017-18

B.Sc. (CSE) THIRD YEAR

Class	Semester	Course/Paper	Code No	Teaching Hours Per week	No of Credits	
B.Sc.(CSE) Third Year	I	PartII(Core)		6 hrs	6	
		1. Comp.Net	7561	6 hrs	6	
		2. Compiler Construction.	7562	6 hrs	6	
		3. Embedded.System	7563	4 hrs	2	
		4. Embedded Sys- Lab	7563P	6 hrs	6	
		5. MDBMS	7564	4 hrs	2	
		6. MDBMS-Lab	7564P			
	PartIII(Add-On{Choose one})	A7565	4 hrs	1		
	✓ 7. Software Engineering					
	II	PART II(Core)				
		1. Network Security	7666	6 hrs	6	
		2. Web Programming	7667	6 hrs	6	
		3. Web Prog-Lab	7667P	4 hrs	2	
		4. CSP	7668	6hrs	6	
5. CSP-Lab		7668P	4 hrs	2		
6. Project & Seminar		7669	6 hrS	6		
PART III(IDE {Choose one})						
7. Basic Web Designing	17670	4 hrs	1			
Certified voluntary work / NCC/NSS/Sports				1		
Part IV				1		
Science and Civilization						

HEA

Dept of Computer Science & Pngg
A.U. College Mallepally, Hyd-1. A.P.

CHAIRMAN

Board of Studies in CSE
Dept. of Computer Science & Engg.
University College of Engineering,
Osmania University, Hyd-500007

ANWAR UL ULOOM COLLEGE (AUTONOMOUS) AS PER CHOICE BASED CREDIT SYSTEM (CBCS)
WITH EFFECTIVE FROM THE ACADEMIC YEAR 2015-16



ANWAR UL ULOOM COLLEGE (AUTONOMOUS)

(Affiliated to Osmania University), Mallepally, Hyderabad.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING


B.Sc. (Computer Science & Engineering) Programme

AS PER THE CHOICE BASED CREDIT SYSTEM & EFFECTIVE FROM THE ACADEMIC YEAR 2015-16

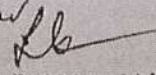
B.Sc. (CSE) FIRST YEAR

Class	Semester	Course/Paper	Code No	Teaching Hours Per week	No of Credits	
B.Sc.(CSE) First Year	I	1.English - I	0106	5 hrs	5 ✓	
		2.Mathematics-I	7141	4hrs	4	
		3.ECM	7142	4hrs	4	
		4.ECM-LAB	7142P	2hrs	1	
		5.IIT	7143	4hrs	4	
		6. IIT-LAB	7143P	2hrs	1	
		7.Prog. in C	7144	3hrs	4	
		8.Prog in C-LAB	7144P	2hrs	1	
		Add-On				
	✓ 9.Introduction to Internet	A7145	2hrs	1		
	II	<u>PART I (LANGUAGES)</u>				
		1.English - II	0206	5 hrs	5	
		<u>PART II (OPTIONALS)</u>				
		2.Mathematics-II	7246	4hrs	4	
		3.Physics	7247	4hrs	4	
		4.Physics-LAB	7247P	2 hrs	1	
		5.EDC	7248	4hrs	4	
		6.EDC-LAB	7248P	2 hrs	1	
		7.Prog. in UNIX	7249	4hrs	4	
8.Prog. in UNIX-LAB		7249P	2hrs	1		
<u>PART III (IDE/NCC/NSS/SPORTS)</u>						
IDE						
9.Fundamentals of Computing (FOC)	I7250	2hrs	1			
Certified voluntary work / NCC/NSS/Sports				1		
Part IV				1		
Human Values and Professional ethics						

Note: From 2017-18 onwards 1 hour 1 credit
(First year onwards)


HEAD

Dept. of Computer Science & Engg.
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CHAIRMAN

Board of Studies in CSE
Dept. of Computer Science & Engg.
University College of Engineering


Faculty of Science/Arts/Commerce/Bachelor of Business Administration

COURSE STRUCTURE**Semester: I**

Paper Code	Course Paper	Teaching Hrs per week	Credits	Internal Assessment	External	Total Marks
0106	Paper I: SHORT FICTION, PROSE, POETRY, DRAMA, COMPOSITION	5 hrs	5	15	35	50
A0106	Introduction to English Grammar (Speaking Skills Reading Skills Writing Skills Listening Skills)	2 Hrs	1	15	35	50

Semester II

0206	Paper -II SHORT FICTION, PROSE, POETRY, DRAMA, COMPOSITION	5 hrs	5	15	35	50
IDE020	Business Communication Skills	2 hrs	1	15	35	50


 Chairperson
 Board of Studies (UG & PG)
 Department of English
 Osmania University
 HYDERABAD-500 007.

Faculty of Science/Arts/Commerce/Bachelor of Business Administration

COURSE STRUCTURE

Semester: III

Paper Code	Course Paper	Teaching Hrs per week	Credits	Internal Assessment	External	Total Marks
0306	Paper I: Poetry, Prose, Grammar, Language Work	5 hrs	5	15	35	50
A0306	Introduction to English Grammar II (Speaking Skills Reading Skills Writing Skills Listening Skills)	2 Hrs	1	15	35	50

Semester IV

0406	Paper II: Poetry, Prose, Grammar, Language Work	5 hrs	5	15	35	50
10406	Advance Business Communication Skills	2 hrs	1	15	35	50

Anwarul Uloom College
New Mallepally, Hyderabad-1
(An Autonomous Muslim Minority Institution)
(Affiliated to Osmania University, Hyderabad, Telangana State)
M.A Previous (CBCS) Semester I/II

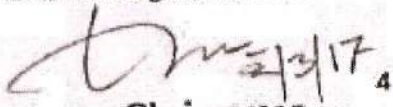
(Course Structure & Scheme of Examinations)

S. No.	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
						Max	Min			
M. A. English 1st Year, I – Semester (CBCS)										
1	I	101	The English Language: History, Description and Practice	5 Hrs	20	80	32	100	5	3 Hrs
2	II	102	English Poetry	5 Hrs	20	80	32	100	5	3 Hrs
3	III	103	English Drama	5 Hrs	20	80	32	100	5	3 Hrs
4	IV	104	English Language and Phonetics	5 Hrs	20	80	32	100	5	3 Hrs
5	V	105	Modern Indian Literatures in Translation	5 Hrs	20	80	32	100	5	3 Hrs
			Total	25 Hrs				500	25	
M. A. English 1st Year, II – Semester (CBCS)										
1	I	201	English Language Teaching: History, Approaches and Methods	5 Hrs	20	80	32	100	5	3 Hrs
2	II	202	English Prose	5 Hrs	20	80	32	100	5	3 Hrs
3	III	203	English Fiction	5 Hrs	20	80	32	100	5	3 Hrs
4	IV	204	Women's writing	5 Hrs	20	80	32	100	5	3 Hrs
5	V	205	Twentieth Century Literary Criticism and Theory	5 Hrs	20	80	32	100	5	3 Hrs
			Total	25 Hrs				500	25	

Tutorials: 2 hours per week- No Credits

Notes:

For each paper there will be semester examination for 80 marks and 20 marks for internal assessment [15 marks for tests (average of the two tests) and 5 marks for assignment in the subject].


Chairperson
Board of Studies (UG & PG)

COURSE : B.Sc., SUBJECT : PHYSICS**For M.P.C.* and M.P.Cs.* Students**

Semester	Course/ Paper	Code No.	Teaching Hours Per Week	No. of Credits
I	Paper – I (Theory) Mechanics	6118	4 hours	3
	Paper – I (Mechanics Lab) Add-on	6118P	2 hours	1
	Domestic Electrical Wiring	A6118	2 hours	1
II	Paper – II (Theory) Waves and Oscillations	6218	4 hours	3
	Paper – II (Waves and Oscillations Lab) IDE	6218P	2 hours	1
	Domestic Electrical Appliances	I6218	2 hours	1
III	Paper – III (Theory) Thermal Physics	6318	4 hours	3
	Paper – III (Thermal Physics Lab) Add-on	6318P	2 hours	1
	Solar Energy and its Collectors	A6318	2 hours	1
IV	Paper – IV (Theory) Optics	6418	4 hours	3
	Paper – IV (Optics Lab) IDE	6418P	2 hours	1
	Storage and Utilization of Solar Energy	I6418	2 hours	1
V	Paper – V (Theory) Electricity, Magnetism and Electronics	6518	6 hours	4
	Paper – V (Electricity Lab) Add-on	6518P	4 hours	2
	Solar and Chemical Energy	A6518	2 hours	1
VI	Paper – VI (Theory) Modern Physics	6618	6 hours	4
	Paper – VI (Modern Physics and Electronics Lab) IDE	6618P	4 hours	2
	Mechanical and Geothermal Energy	I6618	2 hours	1

ANWARUL ULOOM COLLEGE , MALLEPALLY , HYDERABAD.

M.Sc., Physics I YEAR

(for the batch admitted in I year from the academic year 2017-2018)

Scheme of Instruction and Examination

Semester – I

Sl. No.	Sub. Code	Subject	Instructions Hrs/Week	No. of Credits	Max. Marks
Theory :					
01	P 101	Mathematical Physics	4	4	20+80=100
02	P 102	Classical Mechanics	4	4	20+80=100
03	P 103	Quantum Mechanics – I	4	4	20+80=100
04	P 104	Solid State Physics	4	4	20+80=100
Practical's :					
05	P 105	Heat & Acoustics	6	4	100
06	P 106	Optics	6	4	100
		Total	28	24	600
Add – On Course :					
07	P 107	Communicative English & Soft Skills	3	2	10+40=50

Note : - Out of 100 Marks for each theory paper 20 Marks are allotted for internals and 80 marks for Theory exams. There shall be no internal assessment examinations for Practical's. Practical Examinations will be conducted at the end of each Semester. For Add – On course out of 50 marks paper 10 marks are allotted for internals and 40 marks for the semester theory examination.

Pattern of Question Paper : - The Question paper consists of two parts, each covering all the four units.

Part - A : consists of EIGHT (8) short note questions, (two from each Unit), carrying 4 marks each.

The student has to answer all the questions.

Part – B : consists of FOUR(4) essay type questions with an internal choice. Each question carries 12 marks.

[Signature]
Chairman BOS, Dept. of Physics
ANWAR-UL-ULOOM COLLEGE
Mallepally, Hyderabad-500 001.

ANWARUL ULOOM COLLEGE, MALLEPALLY, HYDERABAD.

M.Sc., Physics I YEAR

(for the batch admitted in 1 year from the academic year 2017-2018)

Scheme of Instruction and Examination

Semester – II



Sl. No.	Sub. Code	Subject	Instructions Hrs/Week	No. of Credits	Max. Marks
Theory :					
01	P 201	Electromagnetic Theory	4	4	20+80=100
02	P 202	Statistical Mechanics	4	4	20+80=100
03	P 203	Quantum Mechanics – II	4	4	20+80=100
04	P 204	Electronics	4	4	20+80=100
Practical's :					
05	P 205	Electronics	6	4	100
06	P 206	Computer Programming	6	4	100
		Total	28	24	600
IDE-Course :					
07	P 207	Basics of Computer Science	3	2	10+40=50

Note : - Out of 100 Marks for each theory paper 20 Marks are allotted for internals and 80 marks for Theory exams. There shall be no internal assessment examinations for Practical's. Practical Examinations will be conducted at the end of each Semester. For Add – On course out of 50 marks paper 10 marks are allotted for internals and 40 marks for the semester theory examination.

Pattern of Question Paper : - The Question paper consists of two parts, each covering all the four units.

Part - A : consists of EIGHT (8) short note questions, (two from each Unit), carrying 4 marks each.

The student has to answer all the questions.

Part – B : consists of FOUR(4) essay type questions with an internal choice. Each question carries 12 marks.

ANWARUL ULOOM COLLEGE, MALLEPALLY, HYDERABAD.

M.Sc., Physics II YEAR

(for the batch admitted in 1 year from the academic year 2016-2017)

Scheme of Instruction and Examination

Semester – III



Sl. No.	Sub. Code	Subject	Instructions Hrs/Week	No. of Credits	Max. Marks
Theory :					
01	P 301	MODERN OPTICS	4	4	20+80=100
02	P 302	ADVANCED SOLID STATE PHYSICS	4	4	20+80=100
03	PEI 303	DIGITAL LOGIC CIRCUITS	4	4	20+80=100
04	PEI 304	MICROPROCESSORS, DSPs & INTERFACING	4	4	20+80=100
05	PEI 305	ELECTRONIC INSTRUMENTATION	4	4	20+80=100
Practical's :					
06	P 306	SPECTROSCOPY	6	4	100
07	P 307	ANALOG AND DIGITAL SIMULATION	6	4	100
		Total	32	28	700
Add – On Course :					
08	P 308	Principles of Electrical Appliances	3	2	40+10=50

Note :- Out of 100 Marks for each theory paper 20 Marks are allotted for internals and 80 for Theory exam. There shall be no internal assessment examinations for Practical's. Practical Examinations will be conducted at the end of each Semester.

Pattern of Question Paper :- The Question paper consists of two parts, each covering all the four units.

Part - A : consists of EIGHT (8) short note questions, (two from each Unit), carrying 4 marks each.

The student has to answer all the questions.

Part – B : consists of FOUR(4) essay type questions with an internal choice. Each question carries 12 marks.

Chairman ^{RS} Dept. of Physics
ANWAR-UL-ULOOM COLLEGE
Mallepally, Hyderabad-500 001.

DEPARTMENT OF PHYSICS, ANWARUL ULOOM COLLEGE

ANWARUL ULOOM COLLEGE, MALLEPALLY, HYDERABAD.

M.Sc., Physics II YEAR

(for the batch admitted in I year from the academic year 2016-2017)
Scheme of Instruction and Examination



Semester – IV

Sl. No.	Sub. Code	Subject	Instructions Hrs/Week	No. of Credits	Max. Marks
Theory :					
01	P 401	NUCLEAR PHYSICS	4	4	20+80=100
02	P 402	SPECTROSCOPY	4	4	20+80=100
03	PEI 403	EMBEDDED SYSTEMS AND ITS APPLICATIONS	4	4	20+80=100
04	PEI 404	PC ARCHITECTURE	4	4	20+80=100
05	PEI 405	INSTRUMENTATION FOR MEASUREMENT, CONTROL, DATA ACQUISITION AND DATA TRANSMISSION	4	4	20+80=100
Practical's :					
06	P 406	NUCLEAR PHYSICS	6	4	100
07	P 407	MICROPROCESSORS(8086) & MICROCONTROLLERS(8051)	6	4	100
		Total	32	28	700
IDE- Course :					
08	P 408	SOLAR ENERGY UTILIZATION	3	2	40+10=50

Note : - Out of 100 Marks for each theory paper 20 Marks are allotted for internals and 80 for Theory exam. There shall be no internal assessment examinations for Practical's. Practical Examinations will be conducted at the end of each Semester.

Pattern of Question Paper : - The Question paper consists of two parts, each covering all the four units.

Part - A : consists of EIGHT (8) short note questions, (two from each Unit), carrying 4 marks each.

The student has to answer all the questions.

Part - B : consists of FOUR(4) essay type questions with an internal choice. Each question carries 12 marks.

DEPARTMENT OF PHYSICS, ANWARUL ULOOM COLLEGE
ANWAR-UL-ULOOM COLLEGE
Mallepally, Hyderabad-500 001

ANWARUL ULOOM COLLEGE (Autonomous)

(An Autonomous Muslim Minority Institution)
New Mallepally, Hyderabad - 500 001, A.P., India.
(Affiliated to Osmania University)

**Faculty of Arts****Department of Urdu****(2017 - 18)**

Subjects: Second Language Urdu and Modern Language Urdu,
Degree First Year, I & II - Semester

S. No.	Semester	Course Paper	Code No.	Teaching hours per week	Credits	w. e. f
1	I	Second Language Urdu	0102	4	4	2015 - 16
2	II	Second Language Urdu	0202	4	4	2015 - 16
3	III	Modern Language Urdu	1116	5	5	2015 - 16
4	IV	Modern Language Urdu	1216	5	5	2015 - 16

[Signature]
Head
Department of Urdu
Osmania University
HYDERABAD - 500 001

ANWARUL ULOOM COLLEGE (Autonomous)

(An Autonomous Muslim Minority Institution)
New Mallepally, Hyderabad – 500 001, A.P., India.
(Affiliated to Osmania University)

**Faculty of Arts****Department of Urdu****(2017 – 18)**

Subjects: Second Language Urdu and Modern Language Urdu ,
Degree Second Year, III & IV - Semesters

S. No.	Semester	Course Paper	Code No.	Teaching hours per week	Credits	w.e.f
1	III	Second Language Urdu	0302	4	3	2016 – 17
2	IV	Second Language Urdu	0402	4	3	2016 – 17
3	III	Modern Language Urdu	1316	5	4	2016 – 17
4	IV	Modern Language Urdu	1416	5	4	2016 – 17

[Signature]
Head

Department of Urdu
Osmania University
HYDERABAD - 500 007 (TS)

ANWARUL ULOOM COLLEGE (Autonomous)

(An Autonomous Muslim Minority Institution)
New Mallepally, Hyderabad - 500 001, A.P., India.
(Affiliated to Osmania University)



Faculty of Arts
Department of Urdu
(2017 - 18)

Subjects: Modern Language Urdu , Degree Third Year, V & VI - Semester

S. No.	Semester	Course Paper	Code No.	Teaching hours per week	Credits	w. e. f
1	V A	Modern Language Urdu	1516	5	5	2017 - 18
2	V B	Modern Language Urdu	1516	5	5	2017 - 18
3	V I A	Modern Language Urdu	1616	5	5	2017 - 18
4	V I B	Modern Language Urdu	1616	5	5	2017 - 18

Head

Department of Urdu
Osmania University
HYDERABAD - 500 007 (T)

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ANWARUL ULOOM COLLEGE (Autonomous)

(An Autonomous Muslim Minority Institution)
New Mallepally, Hyderabad – 500 001, A.P., India.
(Affiliated to Osmania University)



Faculty of Arts

Department of Urdu

(Pattern based on Choice Based Credit System)

Second Language Urdu (2017 – 18)

Code	Name of the Paper	Scheme of Instruction / Hours per week	Credit	Internal Assessment Marks	Semester (End) Examination Marks
III – Semester					
	Mutalaya Adab (Part – II) (Poetry: I – IV) (Poems: I – IV) (Prose: I – IV)	4	3	15	35
	Add – on Paper: Urdu Sahafat	2	1	15	35
IV – Semester					
	Mutalaya Adab (Part – II) (Poetry: I – IV) (Poems: I – III) (Prose: I – III)	4	3	15	35
	I D E Paper: Tahseen – e – Shair	2	1	15	35

K. Mujeeb
Head

Department of Urdu
Osmania University
HYDERABAD - 500 007

ANWARUL ULOOM COLLEGE (Autonomous)

(An Autonomous Muslim Minority Institution)
New Mallepally, Hyderabad – 500 001, A.P., India.
(Affiliated to Osmania University)

**Faculty of Arts****Department of Urdu**

(Pattern based on Choice Based Credit System)

Second Language Urdu

(2017 – 18)

Code	Name of the Paper	Scheme of Instruction / Hours per week	Credit	Internal Assessment Marks	Semester (End) Examination Marks
I – Semester					
	Mutalaya Adab (Part – I) (Ghazals: I – IV) (Poems: I – IV) (Prose: I – IV)	4	4	15	35
	Add – on Paper: Urdu Computers	2	1	15	35
II – Semester					
	Mutalaya Adab (Part – I) (Ghazals: I – IV) (Poems: I – III) (Prose: I – III)	4	4	15	35
	I D E Paper: Urdu Calligraphy	2	1	15	35

Revised
Head

Department of Urdu
Osmania University
HYDERABAD - 500 007 (TS)

CBCS STRUCTURE COURSE ZOOLOGY w.e.f 2017-2018
BSc. (Botany, Zoology & Chemistry) &
(Nutrition, Zoology & Chemistry) Programmes

079

Semester	Course/Paper	Code No	Teaching Hours Per week	No. of Credits
I	Paper - I (Theory) Animal Diversity - Invertebrates	6121	4 hrs	4
	Paper - I (Practicals)	6121P	2 hrs	1
	Add-on course : Instrumentation & Techniques in Biology	A6121	2 hrs	1
II	Paper - II (Theory) Ecology, Zoogeography and Animal Behaviour	6221	4 hrs	4
	Paper -II (Practicals)	6221P	2 hrs	1
	IDE : Health & wellness	6221P	2 hrs	1
III	Paper -I II (Theory) Biology of Chordates -I & Embryology	6321	4 hrs	4
	Paper -III (Practicals)	6321P	2 hrs	1
	Add-on course: Tropical Diseases and Role of Vectors	A6321	2 hrs	1
	Paper -IV (Theory) Biology of Chordates-II Ecology, Evolution & Zoo- geography	6421	4 hrs	4
V	Paper -IV (Practicals)	6421P	2 hrs	1
	IDE : Pet Care	6421P	2 hrs	1
	Paper -V (Theory) Animal Physiology of Genetics & Evolution	6521	6 hrs	6
	Paper -V (Practicals)	6521P	4 hrs	2
	Add-on course : Aquarium Keeping	A6521	2 hrs	1
VI	Paper -VI (Theory) Applied Zoology	6621	6 hrs	6
	Paper -VI (Practicals)	6621P	4 hrs	2
	IDE course : Biodiversity conservation & Ecotourism	6621P	4 hrs	2
		16621	2 hrs	1

K. S.
Manoj Begu
S. J.
A. G. Koushli

Manoj Begu
CHAIR PERSON
Board of Studies in Zoology
Osmania University, HYD-7.

**B.Com. (CBCS)
(w.e.f. 2018-19)**

Faculty of Commerce, AUC

FIRST YEAR- FIRST SEMESTER

B.Com. (General)
B.Com.(Comp.Appl.)
B.Com.(E.com.)

**AECC-II
GENDER SENSITIZATION**

Paper: BC201
PPW: 2 Hrs
Exam Duration: 2Hrs

Max. Marks: 35T +15IA=50
Credits : 2

UNIT-I

Gender- Definition, Nature and Evolution

Introduction Culture-Tradition- History-Gender Roles- Gender Stereotypes- History of gender – Indian scenario

Gender- Spectrum:


Introduction -Biological, Sociological- Psychological conditioning- What is gender spectrum- Gender diversity - The notion of Gender - Transgender Identities In India

UNIT-II

Introduction - Gender- Based Division of Labour- Domestic work and use value-Are gender roles biological or social?-How do Culture and tradition affect gender roles?- Modernity and technology impact on gender division- Domestic Work and use value.

Gender, Human Rights and Parity

Introduction- Gender- Socio Economic discourse -Gender- Human Rights -Gender parity or Gender Equality- Need for Cultural Transformation- Contemporary Challengers to Gender Equality - Efforts on Gender Equality- Gender Inequality Index and Gender parity Index - Gender Budgeting - Contemporary Challengers to Gender Equality - Role of Media


HOD
BOARD OF STUDIES IN COMMERCE
ANWARUL ULOOM COLLEGE
AFFILIATED TO OSMANIYA UNIVERSITY
HYDERABAD-500 001 (T.S.)




CHAIRMAN
Board of Studies in Commerce
Osmania University,
Hyderabad-500 007., T.S.



Anwarul Uloom College (Autonomous)

New Mallepally, Hyderabad
Affiliated to Osmania University
(Re-accredited by NAAC with ' A ' Grade)



**Faculty of Arts / Social Sciences / Science/ Commerce &
Business Administration**

II – Semester

Basic Computer Skills

Hours per Week: 2
Exam. Duration: 2 Hours

Credits: 2
Max./Min. Marks: 50 / 20

Objective: To impart a basic level understanding of working of Computer and its usage.

Unit – I: Understanding of Computer and Word Processing.

Knowing Computer: What is Computer? Basic applications of Computer: Components of Computer System – Central Processing Unit (C P U), V D U, Key board and Mouse. Other Input / Output devices. Computer Memory, Concept of Hardware and Software. Concept of Computing, Data and Information, Applications of I E C T, Connecting Keyboard, Mouse, Monitor and Printer to C P U and Checking power supply.

Operating Computer using G U I based Operating System: What is an Operating System? Basic of Popular Operating Systems, the User Interface, Using Mouse. Using right Button of the Mouse and Moving Icons on the Screen. Use of Common Icons. Status Bar, Using Menu and Menu selection, Running an application, Viewing of File, Folders and Directories, Creating and Renaming of Files and Folders. Operating and closing of different Windows. Using help, Creating Short cuts, Basics of Operating System set – up, Common utilities.

Understanding Word Processing: Word Processing Basics: Opening and Closing of Documents. Text creation and Manipulation, Formatting of text, Table handling, Spell check, language setting and thesaurus, Printing of Word document.

Unit – II: Spread Sheet, Presentation Software and Introduction to Internet, www and Web Browsers.

Using Spread Sheet: Basics of Spread Sheet. Manipulation of cells. Formulas and Functions. Editing of Spread Sheet, Printing of Spread Sheet.

Basic of Presentation Software: Creating Presentation. Preparation and Presentation of Slides. Slide Show. Taking printouts of Presentation / handouts.

Introduction to Internet, www and Web Browsers:

Introduction to Internet: Basics of Computer Networks. LAN, WAN. Concept of Internet. Applications of Internet. Connecting to Internet. What is I S P? Knowing the Internet. Basics of Internet connectivity related trouble shooting.

World Wide Web: Search Engines. Understanding U R L. Domain name, I P Address. Using e – Governance Website..

Web Browsing: Software. Communication and collaboration. Basics of electronic mail. Getting an e-mail account. Sending and receiving e-mails. Accessing sent e-mails. Using e-mails. Document collaboration. Instant Messaging. Netiquettes.

Suggesting Readings:

1. Introduction to Computers – Peter Norton, McGraw Hill, 2012.
2. Using Information Technology – Brian K Williams, Stacey C. Sawyer, Tata McGraw Hill.\

Web Resources:

1. <https://online.stanford.edu/courses/soe-yccscs101-sp-computer-science-101>
2. <https://www.extension.harvard.edu/open-learning-initiative/intesive-introduction-computer-science>.

B.Sc. BOTANY
II Year: Semester-IV
Skill Enhancement Course

SEC-4

(Credits 2)

Mushroom Culture Technology Lectures: 30

UNIT-I

(15h)

1. Introduction & history. Medicinal value of edible mushrooms; Poisonous mushrooms. Types of edible mushrooms available in India - *Volvariella volvacea*, *Pleurotus citrinopileatus*, *Agaricus bisporus*.
2. Cultivation Technology: Infrastructure; substrates (locally available) Polythene bag, vessels, Inoculation hook, inoculation loop, low cost stove, sieves, culture rack, mushroom unit (Thatched house) water sprayer, tray, small polythene bag.
3. Pure culture: Medium, sterilization, preparation of spawn, multiplication. Mushroom bed preparation - paddy straw, sugarcane trash, maize straw, banana leaves.
4. Factors affecting the mushroom bed preparation - Low cost technology, Composting technology in mushroom production.

UNIT-II

(15h)

5. Storage: Short-term storage (Refrigeration - upto 24 hours) Long term Storage (canning, pickles, papads), drying, storage in salt solutions.
6. Nutritional value of Mushrooms: Proteins - amino acids, mineral elements nutrition - Carbohydrates, Crude fibre content - Vitamins.
7. Food Preparation: Types of foods prepared from mushroom. Research Centres - National level and Regional level. Cost benefit ratio - Marketing in India and abroad, Export Value.

Suggested Readings

1. Marimuthu, T. Krishnamoorthy, A.S. Sivaprakasam, K. and Jayarajan. R (1991) Oyster Mushrooms, Department of Plant Pathology, Tamil Nadu Agricultural University, Coimbatore.
2. Swaminathan, M. (1990) Food and Nutrition. Bappco, The Bangalore Printing and Publishing Co. Ltd., No. 88, Mysore Road, Bangalore - 560018.
3. Tewari, Pankaj Kapoor, S.C., (1988). Mushroom cultivation, Mittal Publications, Delhi.
4. Nita Bahl (1984-1988) Hand book of Mushrooms, II Edition, Vol. I & Vol. II.

Haka *S. Hegde* *Sharma* *Sharma* *Sharma* *Sharma* *Sharma* *Sharma* *Sharma* *Sharma*

**CHAIRPERSON
BOS IN BOTANY
OSMANIA UNIVERSITY
HYDERABAD-500 007**

GE-II

Generic Elective II

E- Waste Management

Unit I : 1.Solid Waste Management : Definition and Sources of Solid Waste.

2.Characteristics of solid wastes : physical, chemical and Biological, Classification ,Factors affecting solid waste generation.Handling and separation of solid waste at source.

3..Water treatment : Hardness of water , units of water.disadvantages of Hard water , Desalination of Brackish water. Waste : Production , Prevention ,Problems and source of waste ,cost of waste , Waste minimization technique , waste treatment and recycling .

Unit II : Hazardous waste management : Definition and Characteristics, Sources and type sed categorization.Treatment technologies : Physico- chemical , Thermal ,biological ,sea and land disposal ,Hazardous Waste (Management and Handling) Biomedical wastes : Definition ,Sources,Generation,Segregation and storage of biomedical waste. Packajing ,Handling and Transport of wastes, Treatment and disposal techniques , Rules on Biomedical wastes managing and Handling.

E-Waste : Definition and sources ..Environmental and health impacts , Treatment and management , Rules Radfioactive Wastes : Types and sources ,waste disposal techniques and management..

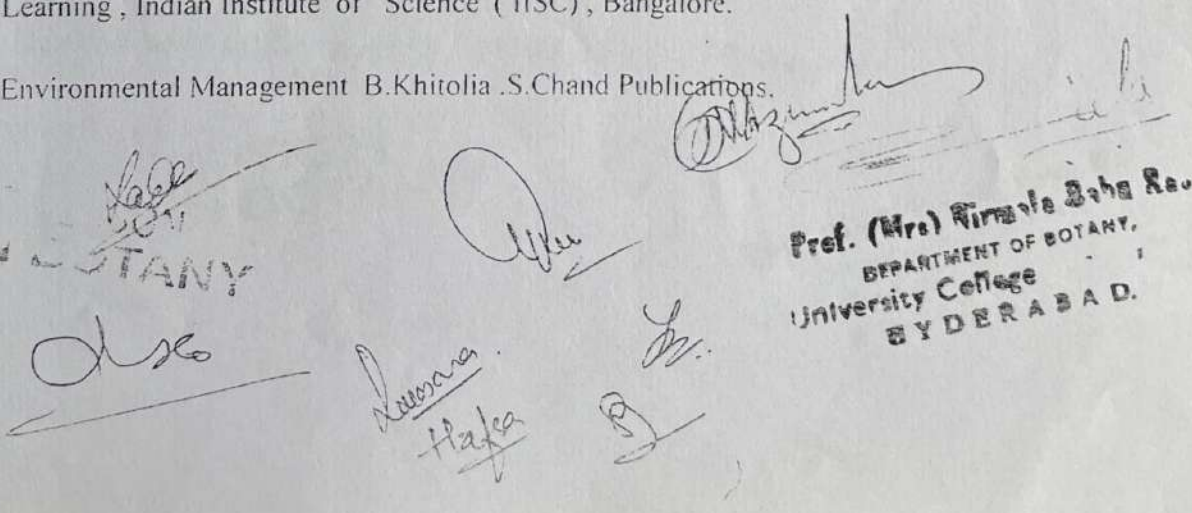
References :

Environmental Management : G.N. Pandey .Vikas Publishing House .

Environmental Management by H.M. Saxena ,Rawat Publications.

Environmental Management Physico-ecological facets (Vol I and II) Rai , Mohapatra & Goel (ed) Rawat Publications Environmental Engineering Series , Publ. Common wealth of Learning , Indian Institute of Science (IISC), Bangalore.

Environmental Management B.Khitolia .S.Chand Publications.

The bottom of the page contains several handwritten signatures and a printed stamp. The stamp is for Prof. (Mrs) Kiranvati Baha Rao, Department of Botany, University College, Byderabad. There are also several other handwritten signatures and initials scattered across the bottom left and center of the page.

Prof. (Mrs) Kiranvati Baha Rao
DEPARTMENT OF BOTANY,
University College
BYDERABAD.

Paper Code: 16607

Anwarul Uloom College (Autonomous)
B.Sc. II- Semester - VI
IDE Course in Botany.
Herbal Medicine.

No. of Credits -1
Total - 30hrs 2hrs/Week

Unit I
Introduction

Different systems of Medicine in India. History of Medicine, Herbal Wealth, Indigenous plants. Importance of crude Drugs. Conservation of herbal drugs and the role of Botanists. Wild plants, cultivated plants, plant based drugs.

(8 hrs.)

Unit II

Medicinal Properties of plants

Active principles – Chemical aspects of various parts of plants. Herbal products for the benefit of Manfind. Atropine, Digitoxin, Ephedrine, Colchicine Quinine, Taxol, Gugulipid. Vincristine etc.

(8 hrs.)

Unit III

Ethnobotany and Ethnomedicine

Definition , Term coined by Scientist, Study of Tribal people, Forest, dwellers, Crude medicines by Hakims and Vaid. Various forms of Herbal Drugs and their mode of administration.

(7 hrs.)

Unit IV

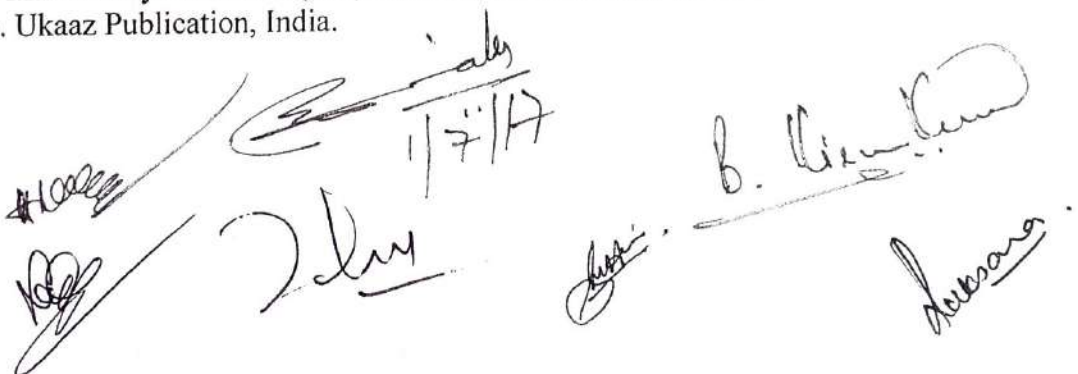
Phyto Chemical Analysis

Methods of extraction , Methods of Separation, TLC (Thin Layer Chromatography) G.C (Gas Chromatography) HPLC (High Performance Liquid Chromatography. Spectroscopy.

(7 hrs.)

Reference Books:

1. Farooqui, AA and Sreeraman, BS (2001) Cultivation of Medicinal and aromatic Crops .University Press.
2. Sharol Tilgren, ND (1999) Herbal Medicines – From the heart of the earth. I. edn. Malloy Lithographic Inc. (USA).
3. Irfan A.Khan Atiya Khanum (Eds). Role of biotechnology in Medicinal and aromatic plants. Ukaaz Publication, India.

Handwritten signatures and dates at the bottom of the page. One signature is dated 11/7/17. Another signature is dated 11/7/17. A third signature is dated 11/7/17. A fourth signature is dated 11/7/17.

ANWARUL ULOOM COLLEGE (AUTONOMOUS)

NEW MALLEPALLY , HYDERABAD.

(An Autonomous Muslim Minority Institution)

(Affiliated To Osmania University)

Faculty Of Social Sciences

M.A (Economics)1st Year (Previous)

SEMESTER – I

2017-2018

Add – On Course

Communicative English & Soft Skills

Paper – VI

Teaching Schedule :

Contact programme consisting of 12 periods, one and half hour each in semester – I, for all P.G courses.

Objectives:

- a) To hone students communication skills and provide the job skills training.
- b) To impart strategies for effective written communication.
- c) To train students in soft skills and to prepare them for academic and professional demands.

UNIT – I Oral & Aural Skills

- a) Sounds of English – Vowels sounds and Consonants sounds.
- b) Word accent and connected speech – contractions, question tags.
- c) Listening for information, taking notes while listening to lectures (use of Dictionary with CD-ROM for phonetic symbols, pronunciation and listening practice).

UNIT – II Writing Skills

- a) Sentence writing and paragraph writing : use of linkers and appropriate vocabulary.
- b) Business letter and E-mail (writing and etiquettes)
- c) Descriptive writing (describing a person, product and process)

UNIT – III Job Skills

- a) Group discussions and debates.
- b) Presentation skills – kinesics.
- c) Interview skills.

UNIT – IV Soft Skills

- a) Interpersonal Communication – Verbal and non – verbal etiquette.
- b) Critical thinking.
- c) Teamwork

Suggested Readings:

- English for success, Suresh kumar, Cambridge University Press India Pvt. Ltd., 2010.
- Communication Skills and Soft Skills : An Integrated Approach, Dorling Kindersley (India) Pvt. Ltd., 2013.
- Inter-personal Communication by Radly – 1985.
- Soft Skills – A.V. Suresh Kumar – Rishi Publication – 2009.
- New Technologies in the Class Room. Dhanvel – McMillian Publication – 2010.

**Anwarul Uloom College (Autonomous)
New Mallepally, Hyderabad
Affiliated to Osmania University
(Re-Accredited with NAAC with A - Grade)**

**Faculty of Science
Department of Nutrition & Dietetics
B.Sc. II YEAR SEMESTER IV
SKILL ENHANCEMENT COURSE
DIET COUNSELLING SKILLS SEC-3**

CREDITS-2; 30 HOURS

Objectives:

- ❖ To enable the students to develop counselling skills.

UNIT I COUNSELLING STRATEGIES AND TECHNIQUES (15 LECTURES)

- Definition of counselling, Role of a counsellor, GALIDRAA approach.
- Counselling theories- directive counselling, non- directive counselling eclectic counselling.
- Types of Counseling- Individual Counseling- Advantages and Disadvantages (According to number of Persons- Individual counselling-Interview, Rational-emotive counselling, Behavioural counselling)
- Group counseling- Advantages and Disadvantages.

UNIT-II: DIET COUNSELING. (15 LECTURES)

- Diet counseling- Definition, Process, guidelines for strengthening diet counselling.
- Steps in diet counseling- assessment, planning, Implementation and Evaluation.
- Materials needed for counselling- Posters, Charts, Pamphlets, Flashcards, Fennel graph. Techniques of obtaining relevant information- 24 hour dietary recall, Food Frequency questionnaire. Diet Counseling for Diabetes & CVD.

Reference Books:

- Ramnath Sharma, Guidance and Counselling, Surjeet Publication first edition 1999.
- Omprakash Paul B, The basic principle of guidance and counselling 1st edition Neelkamal publications 2016.
- A handbook for tomorrow's dietitians, Indian dietetic Association.

Anusha P
DEPT. OF FOOD & NUTRITION
UCW, Koti, Hyderabad

Department of Microbiology
Osmania University,
Hyderabad-500 007.

Munira
SUJATHA STEPHEN R.D.
HOD NUTRITION DEPT.
ASHOJA HOSPITALS
Hyderabad-500036.

Head of the Dept.
Department of Nutrition
St. Ann's College for Women
Madduram, Hyderabad.

SA *MA*
Rabeem

ANWARUL ULOOM COLLEGE
(An Autonomous Muslim Minority Institution)

B.B.A Syllabus (CBCS)
W.e.f 2017-18

VI - SEMESTER

SCIENCE & CIVILIZATION

Paper code: S&C
Core Course – FC-3
P.P.W: 2

Maximum Marks : 50
Marks: 35 T + 15IA
Exam Duration: 2 Hrs
Credits : 1

Subject Objectives:

Unit I: Evolution of Civilization:

1. Introduction to the evolution of Man in the Paleolithic period (Old Stone Age), Mesolithic Period (Middle Stone Age)
2. Sources for study of Pre-historic and proto-historic cultures.
3. Periodisation of Paleolithic, Mesolithic, and Neolithic periods; Determining and division of Paleolithic cultures. Pleistocene (Ice Age) or Geological period.
4. Dating and Description of the tools found in the Lower, Middle and Upper Paleolithic phases; Chronological and characteristics features of these materialistic cultures.
5. Chronology of Mesolithic phase and distribution of microlithic industry; Period of transition and importance of domestication of animals; Use of Fire; Need for language-increasing need for social organization and religion.
6. Beginning of the society-culture and civilization; Neolithic period (New Stone Age)-Early phase; Progress of Man in material cultures i.e. development of technology, economy and adaptation of man to social environment; Growth of civilization and urbanization in a phased manner; Neolithic and its comparison with earlier stone age cultures; Chronology of Neolithic cultures in South Asia and the Regional distribution of Neolithic culture-their Characteristics.
7. Chalcolithic cultures or the Age of Metal on the Indian Subcontinent; Copper Age; Bronze Age and the new metal technological development; Participation of social and religious groups in the city life; Demarcation of political and economic authority; Growth and expansion of early civilization; Science and literature.

Unit II: Scientific Discoveries/Scientific Inventions:

1. Solar System , Gravitation and Kepler's Laws : Electromagnetic spectrum; Defects of eye and correcting devices , Lasers and its applications; Heat engines and Refrigeration; Electron –its discovery, X-rays and their application; Semi conductors, Transistors; Fission, Fusion and Nuclear Reactors, Dynamite.

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B.B.A Syllabus (CBCS)
W.e.f 2017-18

THIRD YEAR V - SEMESTER

BUSINESS ETHICS

Paper code: Add-On
Core Course – EC-3
P.P.W: 2

Maximum Marks : 50
Marks: 35 T + 15 IA
Exam Duration: 2 Hrs
Credits : 1

Subject Objectives:

- To understand the process of business management and its functions, and · To familiarize the students with current management practices. ·
- To understand the importance of ethics in business, and ·
- To acquire knowledge and capability to develop ethical practices for effective management.

UNIT I

Nature and scope of Management- evolution of management- Schools of management thought- F.W.Taylor and Henry Fayol; principles of management- management as a science and an art-management process.

UNIT II

Functions of management- planning: types of plan-planning process; organizing- span of control - line and staff functions - centralization and decentralization-delegation- staffing- manpower planning- recruitment- selection and placement- directing-principles of direction-coordinating, and controlling.

UNIT III

Manager vs leader- leadership and motivation- leadership styles- theories of motivation. MBO; Management of performance- Understanding and managing group processes- characteristics of work group- work group behaviour and productivity- team creation and management

UNIT IV

Ethics; culture and values- Importance of culture in organisations- Indian ethos and value systems- Model of management in the Indian socio political environment- Work ethos- Indian heritage in production and consumption.

UNIT V

Business ethics: Relevance of values in Management- Holistic approach for managers in

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Management

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Suggested readings:

1. AkhileshwarPathak, "Legal Aspects of Business", 2007, 3rd Ed. Tata McGraw Hill.
2. K.R. Bulchandani, "Business Law for Management", 2009, HPH. PPS Gogna, "A Text Book of Company Law", 2006, S. Chand
3. Paul Wetherly and Dorron Otter, "The Business Environment – Themes and Issues",
4. 2010, Oxford University Press
5. Perspectives In Business Ethics (Paperback) by Laura P. Hartman

B.Sc. I Year I Semester
(Add-On (Theory Paper) / PaperCode: A6110
INTRODUCTION TO INTERNET (IIN)

Max. Marks: 35
Hrs/Week: 02

No. of Credits: 1
No. of Hours: 24

Unit I: (06 Hrs)

Introduction to Computer, Characteristics, Limitations, Software, Hardware, Humanware, Definition of Computer Network, Types of Networks, Network Topologies, Protocol & IP-Address, Components of a Network. Computer Architecture – Client-Server and Peer-to-Peer.

Unit II: (06 Hrs)

INTERNET – Definition, History, Internet Browser, Website, Web Page, Home Page, Basic requirements for Internet Access, Email, NewsGroups, Chats, Web, Netiquettes, Ways to Access Internet, Web Navigation (Browsing the Web), Searching the Web using Internet Search Tools, Save & Download Content from Internet, Protection of Computer from Viruses.

Unit III: (06 Hrs)

TITLE, MENU & TOOLBARS – Title Bar, Menu Bar, Address Bar, Tool Bar, Back/Forward, Stop & Refresh Icons, Home Page Icon. Website Addresses & Address Bar - URL, Common Extensions & Country Codes. Navigating Web Pages & Web Sites – Underlined Links, Navigating with Web Page, Slider & Arrows, Using Arrow Keys. PRINTING – Printing Web Pages, Finding Things – Favorites, History.

Unit IV: (06 Hrs)

HANDLING COMMON PROBLEMS – Pop-up Ads, Page Not Found, Web Traffic, Stuck in a Page.
INTERNET-RELATED TERMS – Archives, Social Media, eCommerce, Mobile Internet, Firewall, Blogs & Blogging, CyberCrime, Malware, Encryption, Authentication, Authorization, Access Control.

Reference Books:

- 1) Introduction to Internet - By Valerie Bodden – Creative Education.
- 2) Internet Essentials– By Suzanne Weixel, David Clark - Prentice Hall.

Note: Theory Exam +Internal Assessment = (35+15=50 Marks)

**B.Sc. II Year III Semester
Add-On (Theory Paper) / PaperCode:A6310
M-COMMERCE**

Max. Marks: 35
Hrs/Week: 02

No. of Credits: 1
No. of Hours: 24

Unit I: (06 Hrs)

Traditional commerce and E-commerce, Potential benefits of e-commerce – Internet and WWW – Role of WWW – Value Chains – Types of e-commerce. Computer Network, Packet Switched Networks – TCP/IP Protocol , Internet, Intranet and Extranet, Web Browsers – Web Based Tools For E-commerce, Data Encryption and Security.

Unit II: (06 Hrs)


Introduction to m-commerce – Definition, Infrastructure and applications. Types Of m-commerce services – Technologies Of Wireless Business – Benefits And Limitations, Mobile Marketing & Advertisement, Non- Internet Applications In M-Commerce – Wireless/Wired Commerce Comparisons.

Unit III: (06Hrs)

A Framework For The Study Of Mobile Commerce – NTT Docomo's I-Mode – Wireless Devices For Mobile Commerce – Towards A Classification Framework For Mobile Location Based Services – Wireless Personal And Local Area Networks – The Impact Of Technology Advances On Strategy Formulation In Mobile Communications Networks.

Unit IV: (06 Hrs)

The Ecology Of Mobile Commerce – The Wireless Application Protocol – Mobile Business Services – Mobile Portal – Mobile Data Technologies And Small Business Adoption And Diffusion – E-commerce in The Automotive Industry – Location- Based Services: Criteria For Adoption And Solution Deployment – The Role of Mobile Advertising In Building A Brand – M-commerce Business Models, Enterprise Enablement – Email and Messaging


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TEXT BOOKS:

1. E.Brian Mennecke, J.Troy Strader, "Mobile Commerce: Technology, Theory and Applications", Idea Group Inc., IRM press, 2003.
2. Ravi Kalakota, B.Andrew Whinston, "Frontiers of Electronic Commerce", Pearson Education, 2003.

REFERENCE BOOKS:

1. P. J. Louis, "M-Commerce Crash Course", McGraw- Hill Companies February 2001.
2. Paul May, "Mobile Commerce: Opportunities, Applications, and Technologies Of Wireless Business" Cambridge University Press March 2001.

Note: Theory Exam (35 M) + Internal Assessment (15M) = 50Marks

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B.Sc. III Year V Semester
Add-On (Theory Paper) / PaperCode:A6510
SOFTWARE ENGINEERING

Max. Marks: 35
Hrs/Week: 02

No. of Credits: 1
No. of Hours: 24

Unit-I: (6Hrs)

Introduction to Software Engineering: Software Engineering, Comparison between Software Engineering and Traditional Programming, Emergence of Software Engineering,

Software Life Cycle Model: Software Life Cycle Model, Waterfall Model, Iterative Waterfall Model and Prototype Model.

Unit-II: (6Hrs)

Planning a Software Project: Team Structure (i.e., Democratic Teams, Chief Programmer Team, Mixed Control Team Organization or Hierarchical Team Structure), Characteristics of a Software Requirement Specification (SRS), Components of the Software Requirement, Structure Information, Data Flow Diagram (DFDs), Data Dictionary.

Unit-III: (6Hrs)

Software Design: Design Objectives and Principles, Software Design Concepts, (Abstraction, Information Hiding, Concurrency), Cohesion and Coupling.

Unit-IV: (6Hrs)


Testing Strategies and Metrics: Software Testing, Software Testing Fundamentals, Design of Test Case (Black-Box Approach, White-Box Approach), Version Control, Change Control.

Prescribed books:

1. Software Engineering – By Roger S. Pressman, Tata McGraw Hill

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Faculty of Social Sciences

B.A. (History) 3rd Year (Final)

Semester – V
(2017 – 18)

Archives & Museums
(Add – On)

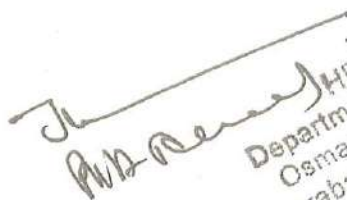
2 Hours per week


1 Credits

This course aims to introduce to the student the importance of Archives and Museums. It also examines the ways in which the past is recorded and remembered. Its focus will also be in learning about the different methods used in retrieving and preserving the Historical data.

Module – I: Archives – Introduction – Definition – Scope and Significance – Characteristics – Allied Institutions – Museums, Library and Art Galleries – History & Archives – Relationship – Origin and Development of Archives in India.

Module – II: Archives – Physical forms – Clay Tablets, Stone Inscriptions, Metal Plates – Palm leaf to Paper Records – Seals & Coins – Photographs, Maps, Audio-Visual Records – Digital Archives – Microfilm and Microfiche – Electronic Database – Cloud Based Database – Archives in India – National Archives, New Delhi – State Archives – Kolkata, Mumbai and Hyderabad.


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Module – III: Museums – Introduction - Definition – Scope and types of Museums – History and Museums – Significance of Museums.

Module – IV: Museums – Functions, Collection, Documentation and Interpretation – Museums in India – National Museum, New Delhi – Victoria Memorial Museum, Kolkata – Salar Jung Museum, Hyderabad – Chatrapati Shivaji Sangrahalaya, Mumbai.

Suggested Readings:

- Ghose, Sailen, *Archives in India*, Firma K L Mukhopadhyay, 1963.
- N Harinarayan, *Science of Archives Keeping*, Hyderabad State Archives, Government of Andhra Pradesh, 1969.
- Brooks, Philip, C, *Research in Archives*, University of Chicago Press, 1969.
- Stefan Berger, Felner and Passnore (Ed.), *Writing History: Theory and Practice*, Blommsbury Press, 2010.
- Millar, Laura, *Archives: Principles and Practices*, Neelschuman Publishers, 2010.
- S K Markhan, *Museums in India*.
- M Zaheer, *Museums Management, Accession, Indexing, Custody Labeling and Verification of Objects*.
- Grace Marley, *Museums Today*.
- D H Dudley and Irma-et-al Bezold, *Museum Registration Method*.
- Smita J. Baxi and Vinod P Dwivedi, *Modern Museum*.
- M L Nigam, *Fundamentals of Museology*.
- O P Agrawala, *Care and Preservation of Museum Objects*.
- A Ayyappa and S Satyamurthy (Eds.), *Handbook of Museum Techniques*.
- H J Plenderleith and A E A Warner, *Conservation of Antiquities and Works of Art*.
- *Archival Science* (Journal).


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Hyderabad.

53

45

Add-on Course in Mathematics
[For Mathematics Streams]

Discrete Mathematics

Instruction 2 Periods per week
Duration of End Semester Examination 2hr
End Semester Examination Marks:3
Internal Assessment Marks: 2

Code No. A6114

No. of Credits: 1

Unit I

Mathematical Logic: Statements and notation, connectives, Normal Forms, Disjunctive Normal Forms (DNF), Conjunctive Normal Forms (CNF), Principal DNF, Principal CNF.
Set Theory: Basic Concepts of Set Theory, Relations and Ordering, Functions and Recursion.

Unit II

Lattices, Boolean Algebra, Representation and Minimization of Boolean functions.
Semi-groups, Product and Quotients of Semi-group, Groups, Product and Quotients of Groups, Coding of Binary Information and Error Detection, Decoding and Error Correction.

Unit III

Semi-groups, Product and Quotients of Semi-group, Groups, Product and Quotients of Groups, Coding of Binary Information and Error Detection, Decoding and Error Correction.

Unit IV

Combinatorics: Basics, Permutations and Combinations with repetitions and Constrained Repetitions, Binomial and Multinomial Theorems, Principle of Inclusion and Exclusion.

Suggested Readings:

- 1) Jr. P. Trembley and R. Manohar, "Discrete Mathematical structures with Applications to Computer Science", McGraw Hill, 1987.
- 2) Bernard Kolman, Nadeem Ur Rehman "Discrete Mathematical Structures" Pearson Education, 2005.
- 3) J.L. Moth, Abraham Kandel and T.P. Parker, "Discrete Mathematics for Computer Scientists and Mathematicians", PHI, 1976.

56

49

DEPARTMENT OF MATHEMATICS
Anwarul uloom College (Autonomous)
Semester III
Graph Theory
Add-on Course

Instruction 2 Periods per week
Duration of End Semester Examination 2hrs
End Semester Examination Marks:35
Internal Assessment Marks: 15
No. of Credits: 1

Unit I

Graphs, introduction- Finite and infinite graphs, Incidence and degree, Null graph, isolated and pendent vertices. Paths and circuits- Isomorphism

Unit II

Subgraphs- Walks, paths and circuits- Connected and disconnected graphs, components- Euler graphs- Operations on graphs- Hamiltonian paths and circuits-Travelling salesman problem.

Unit III

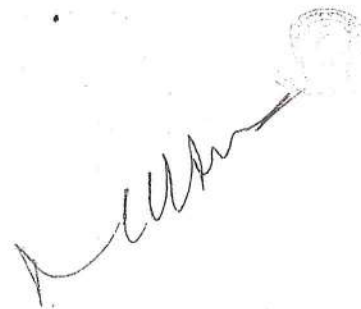
Trees- Their properties- pendent Vertex in a tree- Distance and centers in a tree- Rooted and binary Trees- Counting trees- Spanning trees.

Unit IV

Fundamental circuits- Finding all spanning trees of a graph- spanning trees in a weighted graph. Cut sets- properties- All cut sets in a graph- Fundamental Circuits and cutsets.

Text Book:

[1] Narsing Deo, Graph Theory with application to Engineering and computer science, Prentice Hall of India.



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59

Anwarul – uloom – college (Autonomous)
V semester

Add on course
(for Mathematics streams)

Probability and statistics

Instruction 2 periods per week
Duration of end semester examination 2 hrs
End semester examination marks : 35
Internal assessment marks : 15

UNIT – I

- Random Experiments
- Sample spaces
- Events

UNIT – II

- The concept of probability
- Independent events
- Baye's theorem

UNIT – III

- Random variables
- Discrete and continous distribution
- Distribution function

UNIT – IV

- Binomial distribution
- Poison distribution
- Normal distribution.

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ADD-ON COURSE FOR III SEMESTER (PHYSICS)

FOR THE ACADEMIC YEAR 2017-2018

Solar Energy and its Collectors

No. of Credits : 1
(7 Hours)

Unit – I

Solar Energy :

An introduction to Solar Energy and its prospects , Conduction , Radiation , Reflectivity , Transmissivity , Transmittance-Absorptance Product , Convection , Heat Exchangers , Problem of Heat Transfer Through an Insulated Wall of Pipe.

Unit – II

(8 Hours)

Solar Radiation Analysis

The structure of the Sun , The Solar Constant , The Electromagnetic Energy Spectrum. Solar Radiations Outside the Earth's Atmosphere and at the Earth's Surface , Some Terms and Basic Earth Sun Angles , Determination of Solar Time , Derived Solar Angles , Sunrise, Sunset and Day length.

Unit – III

(7 Hours)

Solar Collectors :

Liquid Flat Plate Collectors :

Introduction , General description of Flat-plate collectors , Thermal analysis of flat-plate collector , Collector performance , Selective Absorber coatings , Selection of Materials for Flat Plate Collectors, High temperature Non-Concentrating Collectors .

Unit – IV

(8 Hours)

Flat Plate Air Heating Collectors (Solar Air Heaters) :

Introduction , Types of Air Heaters, Performance of Solar air heaters , Applications of Solar air heaters.

Focusing Type :

Solar concentrators and receiver geometries , General characteristics of Focusing collector systems, Evaluation of Optical Losses.

Recommended Books :

1. Non-conventional Energy Sources By G.D. RAI (Khanna Publishers) Delhi.
2. Solar Energy Utilisation By G.D.RAI (Khanna Publishers) Delhi.

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Faculty of Social Sciences

B.A II nd Year (2017-18)

SEMESTER III

Political Science

ADD – ON COURSE

Emancipation of Women

30 Hours – 1 Credit, 2 Hours per week

Unit I – Introduction

- Place of Women in Ancient India
- Medieval age, colonial age
- Post Independent Era

Unit II – Women’s Movement at the state

- Telangana Movement
- Sri Ka Kulam Movement
- Dalist Women’s Liberation Movement

Unit III – Women’s Movement in India

- Social- Religious Movements
- Role of Women in reform Movements

Unit IV - Contribution of India Leaders

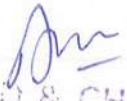
- Contribution of India Leader in the progress of women education.
- Role of Social organization or Association.


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BOOKS RECOMMENDED:

- Indian Women (Contemporary Essay) Devaki Jain & C.P. Sujaya
- Dr. B.R. Ambedkar & Emancipation of Women Dr. S.N. Salawade
- Swamy Vivekananda & Women Emancipation Prof Prarthita Biswas
- The Emancipation of Women V.I. Lenin
- Finding Freedom & Emancipation of Women Sara MacDonald


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7

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**Faculty of Social Sciences
Department of Public Administration**

B.A Ist Year

2017-2018

Semester – I

CBCS

ADD-ON COURSE

WOMEN'S STUDIES

30 Hours – 1 Credit 2 Hrs. per week

Unit – I : Introduction

(15 Hrs.)

- Women's Studies - Importance and Evolution
- Patriarchal Society; its implications for Women
- Basic Issues

Unit – II: Status of Women

- Position of Women in different Religious - Hinduism, Christianity and Islam
- Position of Women and Child in Indian Law
- Social & Political status of Women in India - An over view

Unit – III: Women and Development

- Developmental Programmes for Women and Children.
- The concept of Empowerment of Women and Political representation
- Women in Administration
- National & State Commission for Women - National Policy for Women

Unit – IV: Women's Movements

- Feminism and Feminist Movements in India
- Women's Movement against domestic and other forms of Violence
- Women's Self Help group (SHO's)

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SUGGESTED BOOKS:

Title	Authors
1. The position of Women in Hindu Civilization. Motilal banarasidass	Altekar AS
2. Women's Liberation and Voluntary action. Ajanta Publications	Kalpana shah
3. Women's Studies in India. Soma Perspectives, Pesualt Prakash am, Bombay, 1986	Mothrey Krishna Raj
4. Patriarchy and Patriarchy, Concept Series, Bombay	Oail Omvedt
5. Theorizing patriarchy. Oxford. Basil Blackwell, 1990	Silvia Wally
6. The Second Box, Penguin Books, New Delhi, 1984	Simon. Da Beavour
7. The Vindication of the Rights of Women. Penguin, 1792	Mary Wollstoncraft

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Faculty of Social Sciences
Department of Public Administration
B.A. 1st Year
2017-2018
Semester – III
CBCS
ADD- ON COURSE
Rural Urban Administration

30 Hours – 1 Credit 2 Hrs. per week

Unit – I: Local Government

- Evolution, Meaning, Features and Significance 73 and 74 constitution Amendment Acts.

Unit – II; Urban Local Bodies

- Municipal Corporation, Municipal Council and Municipal Committees their meaning features, Role and significance.

Unit – III: Panchyat Raj Institution

- Composition, Functions, Sources of Income of Gram
- Panchyats. Panchyats samities and Zilla Parishads
- District Planning committee: Composition, Functions and significance.

Unit – IV: State

- Finance Commission State Election Commission, Urban Rural Relationship and problems local leadership.

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Book Recommended:

1. Avasthi A (Ed.) 1972. Municipal Administration in India Lakshmi Narayan Aggarwal. Agra
2. Battacharya B 1979. Urban Development in India, Shree Publishing House Delhi
3. Gandhi, M.K. 1950 Panchayati Raj. Navjeevan Publishing House, Ahmedabad
4. Jackson, R.M. The Machinery of Local Government, 1867 Macmillan, London
5. Jain, Sp (ed). 1995 Panchayati Raj Institutions in India An Appraisal, Hyderabad NIRO. 1995
6. Puri, KK 1985, Local Government in India, Bharat Prakashan, Jalandhar.
7. Mahesiwari, SR 1970 Government in India, Laxmi Narain Aggarwal, Agra
8. Sngh, Viday Karan, 2003, Panchayat Raj System (Hindi), RBMA Publishers, Jaipur

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 - Chairperson, BOS
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Faculty of Arts

Department of Urdu

(Pattern based on Choice Based Credit System)

Degree 2nd Year

Add – on Course

for (Second Language Urdu and Modern Language Urdu)

(2017 – 18)

III – Semester

An Introduction to Urdu Sahafat

(30 Hours, 1 Credit, 2 Hours per week)

Unit – I:

1. Introduction of Urdu Sahafat
2. The meaning of Sahafat, beginning, development and its scope

Unit – II:

1. The style of Sahafati tehreer
2. The difference between Adabi and other writings

Unit – III:

1. The importance of Sahafat for example the news papers

Unit – IV:

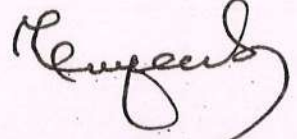
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Osmania University
HYDERABAD - 500 007 (TS)

1. To exhibit the master piece of Urdu Journalism of the great Journalist

Reference Books:

1. Urdu Sahafat Masaail aur imkaanat by Dr. Humayun Ashraj
2. Ablaghiaat by Dr. Mohd. Shahid Hussain
3. Urdu Sahafat ka Safar by G B Chadan



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Faculty of Arts

Department of Urdu
(Pattern based on Choice Based Credit System)

Degree 2nd Year

I D E Course

for (Second Language Urdu and Modern Language Urdu)
(2017 – 18)

IV – Semester

An Introduction to Urdu Sahafat

(30 Hours, 1 Credit, 2 Hours per week)

Unit – I:

1. The Ghazals background and thinking of poet
2. Keywords in Ghazals and different types of meaning and explanations

Unit – II:

1. The background of Ghazals and the feeling of Poet
2. The impact of Ghazals and different type of meaning and explanations

Reference Books:

1. Deewan e Ghalib


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2. Yaadgar e Ghalib by Altaf Hussain Ghalib
3. Kulayaate Momeen
4. Momeen Khan Momeen
5. Hayath o Shayari by Professor Nazeer Ahmed

Note:

I & II – Semesters Degree Syllabus and Examination pattern will be followed as per Osmania University C B C S 2016 – 17 pattern.


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Osmania University
HYDERABAD - 500 007 (TS)

BSC I Year-Electronics

ADD-ON COURSE-A6112

INDUSTRIAL ELECTRONICS

No of credits-1

Total-30 hrs

Objectives

The students will learn :

- a. the applications of devices such as thyatron, ignitron, thyristor, SCR, UJT in industry
- b. the construction of power supplies
- c. the working of motors and their control
- d. the Principles of welding and heating

UNIT-I

Industrial Electronic Devices: Characteristics and applications of Thyatron, Ignitron, Thyristor, SCR and UJT - AC and DC switches - Over voltage protection - Flashers - Static circuit breakers.

UNIT-II

Power Supplies: DC voltage regulators - Different types of series voltage regulators - voltage and current regulation - Controlled rectifiers and inverters - Uninterruptible power supplies - Switched Mode Power Supply (SMPS).

UNIT-III

Motors and Controls: DC motors | Automatic regulation of speed and overload - Reversing motors - AC motors - Induction motors - Speed control - Synchronous motors.

Department of Electronics

Shiba.
Head of the Dept. of Electronics.
Anwar-ul-uloom College, Mallepally
Hyderabad.

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UNIT-IV

Welding and Heating: Principle and theory of induction heating - Dielectric heating
- Resistance welding - Control process - Sequence timer - Synchronous
Welding control - Temperature control circuits

Text Books

1. Industrial Electronics - G.K. Mithal, 14/e, Khanna Publishers , New Delhi.
2. Industrial and Power Electronics - C. Rai, Umesh Publications, New Delhi.

Reference Books

1. Electronics and Industry - M.G. Chute & R.D. Chute, McGraw Hill.
2. Industrial Electronics - Neol Morris, 2/e, Tata McGraw Hill.

Shiba
Head of the Dept. of Electronics.
Anwar-ul-uloom College, Mallepally
Hyderabad.

92
CHAIRMAN
Board of Studies in Electronics
Osmania University, Hyd.

**BSC II Year-Electronics
ADD-ON COURSE
Digital Signal Processing
III -Semester**

**No of Credits-1
(30hrs-2 hrs/week)**

UNIT-I

Discrete time systems: Discrete sequences, linear coefficient difference equation, Representation of DTS, LSI Systems. Stability and Casuality, Frequency domain representations and Fourier transform of DT sequence.

UNIT-II

Z-Transform: Definition and Properties, Inverse Z-Transform and Stability. Parsevals Theorem and applications.

System Function: Signal flow graph, it's use in representation and analysis of Discrete Time Systems. Techniques of representations. Matrix generation and solutions for DTS evaluations.

UNIT-III

Discrete Fourier Transform: DFT Assumptions and Inverse DFT. Matrix relations, Relationship with FT and it's Inverse, circular convolution, DFT Theorems, DCT. Computation of DFT. FFT Algorithms and processing gain. Discrimination, Interpolation and Extrapolation.

UNIT-IV

Digital Filters: Analog filter review, System functions for IIR and FIR filters, Network Representation. Canonical and Decomposition networks. IIR Filter Realization methods and limitations. FIR filter realization techniques. Discrete correlation and convolution. Properties and limitations.

(Note: solve related problems in all the units)

REFERENCE BOOKS:

1. A.V Oppenheim and Schafer, Discrete Time Signal Processing, Prentice Hall, 1989.
John G. Proakis and D.G Manolakis, Digital Signal Processing: Principles, Algorithms and Applications, Prentice Hall, 1997.

ANWARUL ULOOM DEGREE COLLEGE(AUTONOMOUS)

B.A (Economics) 1st YEAR – 2018-2019

SEMESTER- I

ADD ON COURSE

TAXATION

No.of.marks : 35

Instruction hours : 2hrs/wk

No.of credits : 1

UNIT: I TAX, DEFINITION AND MEANING:

Definition And Meaning Of A Tax, Tax And A Charge – The Difference ; Direct And Indirect Taxes – The Incidence And Impact; Canons Of Taxation.

UNIT: II DIRECT TAXES :

Features Of Direct Taxes – Income Tax – Definition And Various Sources Of Income, Income Tax In Relation To Residence And ^{NRI} Corporate Income Tax, Property And Wealth Tax, Capital Gains Tax.

UNIT : III INDIRECT TAXES :

Features Of Indirect Taxes, Value Added Tax, Service Tax, Excise Duty, Customs Duty, (Basic Provisions And Exemption Of These Taxes).

UNIT : IV TAX, A POLICY INSTRUMENT :

Taxes As a Public Revenue To The Government, Tax And Demand Elasticities And Revenue (Elastic And Inelastic Taxes) , Taxes As An Instrument Of Income Distribution – Progressive, Regressive, Progressively Regressive And Regressively Progressive, Tax As An Instrument Of Penalty.

REFERENCES :

- | | |
|----------------------|---------------------------------------|
| 1. B.P. Tyagi | Public Finance |
| 2. H.D. Bhatia | Public Finance |
| 3. Holley H. Ulbrich | Public Finance In Theory And Practice |
| 4. H.Prem Raja | Taxation (Direct And Indirect) |

Head
Department of Economics
Osmania University, Hyd-7.

Chairman
Board of Studies
Department of Economics
Osmania University, Hyd-7



ADD-ON COURSE FOR III SEMESTER (PHYSICS)

FOR THE ACADEMIC YEAR 2017-2018

Solar Energy and its Collectors

No. of Credits : 1
(7 Hours)

Unit – I

Solar Energy :

An introduction to Solar Energy and its prospects , Conduction , Radiation , Reflectivity , Transmissivity , Transmittance-Absorptance Product , Convection , Heat Exchangers , Problem of Heat Transfer Through an Insulated Wall of Pipe.

Unit – II

(8 Hours)

Solar Radiation Analysis

The structure of the Sun , The Solar Constant , The Electromagnetic Energy Spectrum. Solar Radiations Outside the Earth's Atmosphere and at the Earth's Surface , Some Terms and Basic Earth Sun Angles , Determination of Solar Time , Derived Solar Angles , Sunrise, Sunset and Day length.

Unit – III

(7 Hours)

Solar Collectors :

Liquid Flat Plate Collectors :

Introduction , General description of Flat-plate collectors , Thermal analysis of flat-plate collector , Collector performance , Selective Absorber coatings , Selection of Materials for Flat Plate Collectors, High temperature Non-Concentrating Collectors .

Unit – IV

(8 Hours)

Flat Plate Air Heating Collectors (Solar Air Heaters) :

Introduction , Types of Air Heaters, Performance of Solar air heaters , Applications of Solar air heaters.

Focusing Type :

Solar concentrators and receiver geometries , General characteristics of Focusing collector systems, Evaluation of Optical Losses.

Recommended Books :

1. Non-conventional Energy Sources By G.D. RAI (Khanna Publishers) Delhi.
2. Solar Energy Utilisation By G.D.RAI (Khanna Publishers) Delhi.

ANWARUL ULOOM COLLEGE (Autonomous)

(An Autonomous Muslim Minority Institution)
New Malleshpally, Hyderabad – 500 001, T. S., India.
(Affiliated to Osmania University)



Faculty of Social Sciences.

B.A. (History) 2nd Year

Semester – III

(2018 – 19)

Add – on Course

History & Culture of Telangana (1500 – 2014 CE)

(30 Hours – 1 Credit, 2 Hours per week)

Unit – I: Qutb shahis of Golconda

A brief Political History, Polity and Administration – Socio – Religious life of the people of Qutb Shahi Age – contribution of Qutb Shahis to Telugu Literature – Art and Architecture.

Unit – II: Asaf Jahis

Nizam – ul – Mulk – War of Succession – Nizam Ali Khan, Sikander Jah – Nasiruddaula – Afzal ud daula – Mir Mahboob Ali Khan – Mir Osman Ali Khan.

Unit – III: Modernization of Telangana under the Nizam's Rule

Modernization of Telangana under the last two Nizams – Development of Transport and Communication – Industrialization – Development of Modern Education. ahabharatha – The ideal man and woman concept of Maitri, Karuna Seela, Vinaya kshama etc.

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Anwarul-uloom College
New Malleshpally, Hyderabad


Unit – IV: People’s movement against Nizam’s Rule – Agitation for Separate Telangana State

Political awakening in Telangana – Armed struggle – Razakars – Integration of Hyderabad State into Indian Union – Formation of Andhra Pradesh.

1969 Movement – Emergence of Telangana Rashtra Samithi (TRS) – Sri Krishna Committee – Telangana Joint action committee – Mass protests in Telangana – Formation of Telangana State (2014).

Suggested Readings:

1. Satya Narayana K. – A study of History and Culture of Andhra
2. Sherwani H.K. – History of Qutb Shahi Dynasty.
3. Sarojini Regani – Nizam – British relations.
4. Ramesan N. – The Freedom struggle in Hyderabad – Vol. I & II.
5. Munshi K.M. – End of an Era – Hyderabad memories.
6. Aadfi Raju Venkateshwarulu – Telangana Rastrodyamalu
7. Raza Ali Khan – Hyderabad 400 years.
8. Siddiqui – History of Golconda.


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 Dept. of History
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 New Mallepally, Hyderabad

ANWARUL ULOOM COLLEGE(AUTONOMOUS)

B.Sc. Microbiology

II Year(2018-2019)

Semester -III

ADD-ON

HEAMATOLOGY

UNIT - I

Composition of blood (RBC, WBC, Plasma, Serum, Platelet cells), Staining of blood films.
Total blood picture, Differential count.

UNIT-II

Blood grouping, Rh-typing, Blood hemoglobin. Anti-coagulants.

UNIT-III

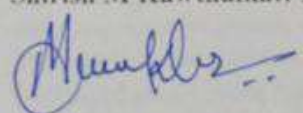
Blood transfusion (Principles). Blood preservation. Precautions of handling blood and it's products. Hemophilia. Anaemia.

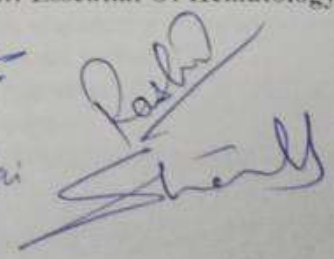
UNIT-IV


General account on spread of diseases through blood and blood products. ESR.

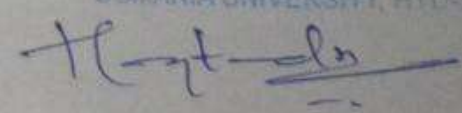
References:

1. Kawthalkar. Essentials of Haematology Paperback – 2013
2. Lokwani. D.P. The ABC of CBC Interpretation of Complete Blood Count and Histograms Paperback – 2013
3. Ramnik Sood . Medical Laboratory technology Methods and Interpretation Jaypee Publications.
4. Shirish M Kawthalkar. Essential Of Hematology. Jaypee Publications.


K. Bharathi Bai




Dr. B. BHIMA, M.Sc., Ph.D.
Associate Professor
Department of Microbiology, U. G. S.
OSMANIA UNIVERSITY, HYD-7.



30

ANWARUL ULOOM

(AUTONOMOUS)

(An Autonomous Muslim Minority Institution)
New Mallepally , Hyderabad-500001 T.S , India
(Affiliated to Osmania University)



Faculty of Social Sciences
B.A III Year (2018-19)
SEMESTER – V (A & B)
ADD-ON
Reform Movement in India
CBCS

Unit I:- Reform Movements

- Conditions led to reform
- Medieval Indian Society
- Existing Practices

Unit II:- Important Social Organizations


- Brahma Samaj
- Arya Samaj
- Rama Krishna Mission
- Aligarh Movement

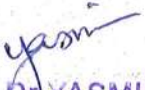
Unit III: Socio – Religious Reformers

- Iswara Chandra Vidya Sagar
- Vinoba Bhave
- Jyotiba Phule

Unit IV: Reform leader of state of Andhra


- Veerasa Lingam Pantulu
- Guruzada Appa Rao

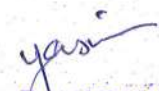

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DEPT. OF POLITICAL SCIENCE
ANWARUL-ULOOM COLLEGE (AUTONOMOUS)
HYDERABAD.


Dr. YASMIN
Assistant Professor
Department of Political Science
Osmania University, Hyderabad.

BOOKS RECOMMENDED:

- Ambedkar: awakening India's Social Conscience by Narendra Jhadav.
- Social reformers in India: by S.R Bakshi and Lipin Mahajan.
- The Pioneering Social Reformers in India: by J Kishore, P.G Ray and R.K Mandal.
- History of India: Heroes, Social Reformers and Contributors by Sunny Kodwani.


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HYDERABAD.


Dr. YASMIN
Assistant Professor
Department of Political Science
Osmania University, Hyderabad.



Add-On Course for **III SEMESTER (M.Sc. PHYSICS)**

FOR THE ACADEMIC YEAR 2017-2018

PRINCIPLES OF ELECTRICAL APPLIANCES

No. of Credits : 2

Unit – I

8 Hours

Basic components of household electrical appliances :

Regulator, Heating coils, Air blowers, Electrical motors, Exhaust fan, Compressors, Cooling coils, Air filters, Microwave generators, Water pumps, Vacuum creating devices, Automatic switches, Basic relays & its circuits, thermostats & their different types, Electrical timers.

Unit – II

8 Hours

General Heating Appliances :

Basic principle & construction of - Electrical iron, Hair-dryer, Water heater, Gezer, Electrical kettle, Rice cooker, Electrical stove, Electrical cookers, Baking Oven etc.

Unit – III

7 Hours

General Cooling Appliances :

Basic principle & construction of - Fan, Refrigerator, Air Cooler, A.C., different types of electrical motors (Ex. AC motors, DC motors etc.)

Unit – IV

7 Hours

Appliances based on general applications :

Basic principle & construction of – Dish washer, Water motor, Grinder, Electrical churner, Washing machine, Vacuum cleaner, Inverter & Stabilizers, Water purifier etc.



Recommended Books :

1. **Electrical machines** – by J.B.Gupta. Vol 1 & 2.
2. **Principles of electrical machines** – by RK-Agarwal.
3. **Electrical measurements & measuring instruments** by J.B.Gupta.
4. **Special electrical machines** – Simmy P.Burman.
5. **Principles of electrical Engg. & electronics** . - V.K.Mehta , Rohit Mehta.

Note : For further studies students are advised to browse the above said topics from the internet.

ANWARUL ULOOM DEGREE COLLEGE(AUTONOMOUS)

B.A (Economics) 2nd YEAR – 2017-2018

SEMESTER- III

ADD ON COURSE

MONEY AND BANKING

No.of.marks : 35

Instruction hours : 2hrs/wk

No.of credits : 1

UNIT : I FUNCTION OF MONEY :

What Is Money ? Definition Of Money, Functions Of Money, Nature Of Money. Importance Of Money, Evils Of Money, Money In Developing Economy.

UNIT : II VALUE OF MONEY :

What Is Value Of Money ? Meaning Of Monetary Standard. Types Of Monetary Standard : Metallic Standard , Monometalism Standard, Silver Standard, Gold Standard. India's Present Monetary Standard.

UNIT : III INFLATION, DEFLATION,REFLATION :

Definition Of Inflation, Causes Of Inflation, Types Of Inflation, Effects Of Inflation, Non-Economic Consequences Of Inflation, Define Deflation, Define Reflation.

UNIT : IV THEORY OF BANKING :

Meaning And Definition, Classification Of Bank, Commercial Bank, Industrial Bank, Agriculture Bank, Foreign Exchange Bank, Central And Indigenou Bank.



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Department of Economics
Aligarh Muslim University

Anwarul Uloom College (Autonomous)

B.Sc. III yr. IV Semester

IDE Course Botany
I6407 Forestry

Unit I -

Introduction – Types of Forests, Tropical, Temperate, Deciduous, Evergreen, artificial (Man made) and Natural. Study of Canopy in the Forests, Vegetation. (7 Hours)

Unit II – Interaction of Forests and Man Clear felling, Teak wood, Neem, Mahogoni. Sheesam, Rubber. (8 hours)
Types of Wood – Spring, Autumn, Porous, Non-Porous.

Unit III -

Social Forestry - Conservation of Forest, Role of Multipurpose trees. Platanion of trees for Food, fodder, Medicines and energy. Avenue plantation study of sacred trees- Ficus religiosa, Ficus bengalensis (9 hours)

Unit IV -

Products from Forests Economic Importance. Study of Timber Pulpwood. Non Timber Forest Products (NTFPS). Medical Plants and their use. Gums, fiber, oils. Fattyacids, nuts, oil seeds, resins, bamboos, otibanum Tree. (9 hours)

Reference –

1. Sagreiya K.T. 1994. Forests and Forestry National book trust New Delhi .
2. P.D. Sharma – Ecology and Environment Rastogi Publications Meerut.
3. K.M. Tiwari. 1983 social Forestry in India.

Handwritten signatures and dates. One signature is dated 1/7/17. Another signature is dated 2/7/17.

Handwritten signature: B. G. ...

ALL STREAMS

B.Com, Comp Appl, E Com & Hons

042

FOUNDATION COURSE

HUMAN VALUES & PROFESSIONAL ETHICS

Paper Code HVPE 207
Exam. Duration 2 Hrs
Credits: 1

Max. Marks: 50
Sem. Exam: 50
No IA

UNIT – I: Introduction & Self – realization and Human Values

Definition of Ethics and Values – Conduct and Character (behavior and thought) –
Dimension of Ethics : Nature and Scope – Uses of the study of Ethics

Self-realization and Harmony – Rules and Regulations – Rights and Duties – Good and
Obligation – Integrity – Conscience : Formalism

UNIT – II: Obligation to Family & Individual and Society

Trust and Respect – Guidance and Reverence – Codes of conduct – Citizens Chart –
Emotional Intelligence; Emotivism

Ethics and Human Interface – Social Relationships and Society – Environmental Ethics and
Nature – *Empathy*: Compassion towards Weaker Sections – Utilitarianism

UNIT – III: Obligation to State & Western Ethics

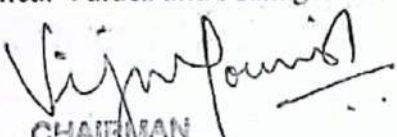
Kautilyas' Polity freedom – Equality and Fraternity – Civil rights and Human Rights –
Utilities and Application: Pragmatism.

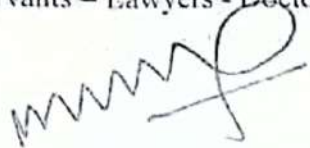
Happiness and Prosperity as Ethical Standard : Hedonism – *Four Cardinal Virtues* : Wisdom
– Courage – Temperance and Justice – *Lesson from the life of Socrates*: Speak Truth –
Practice Virtues.

UNIT – IV: Indian Ethics & Professional Ethics

Lesson from Mahatma Gandhi: Ahimsa and Tolerance – Society and Trusteeship – *Indian
Constitution*: Fundamental Rights – Directive Principles of State Policy

Human Goal and Purusarthas Ethics in Public Administration: Impartiality and
Objectivity – Ethical Values and Management – *Ethics*: Civil Servants – Lawyers - Doctors


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HYDERABAD-500 001 (T.S.)


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Board of Studies in Commerce
Osmania University
Hyderabad - 500 007 (A.P.)

SECOND YEAR -FOURTH SEMESTER

B.Com.
B.Com. (Comp. Appl.)
B.Com. (E.Com.)
B.Com. (Hons.)

ENVIRONMENTAL SCIENCE

Paper Code : 407 PPW: 2 Exam Duration: 2 Hrs	Marks: =50 Credit : 1
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CORE MODULE SYLLABUS FOR ENVIRONMENTAL STUDIES FOR UNDER GRADUATE COURSES OF ALL BRANCHES OF HIGHER EDUCATION

Unit I: The Multidisciplinary nature of environmental studies:

Definition, scope and importance

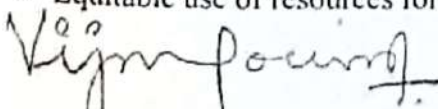
Need for public awareness.

Unit II: Natural Resources:

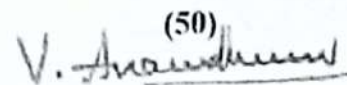
Renewable and non-renewable resources:

Natural resources and associated problems.

- a.) Forest resources: Use and over-exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forest and tribal people.
 - b.) Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams- benefits and problems.
 - c.) Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources, case studies.
 - d.) Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problem, water logging, salinity, case studies.
 - e.) Energy resources: Growing energy needs, renewable and non-renewable energy sources, use of alternate energy sources, case studies.
 - f.) Land resources: Land as a resource, land degradation, man induced landslides, soil erosion and desertification.
- Role of an individual in conservation of natural resources.
→ Equitable use of resources for sustainable lifestyles.



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CHAIRMAN
Studies in Commerce

SECOND YEAR -FOURTH SEMESTER

B.Com.
B.Com. (Comp. Appl.)
B.Com. (E.Com.)
B.Com. (Hons.)

Continued

ENVIRONMENTAL SCIENCE

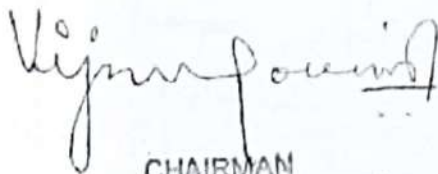
Unit III: Ecosystems:

- Concept of an ecosystem.
- Structure and function of an ecosystem.
- Product, consumers and decomposers.
- Energy flow in the ecosystem.
- Ecological succession.
- Food chains, food webs and ecological pyramids.
- Introduction, types, characteristic features, structure and function of the following ecosystem:
 - a.) Forest ecosystem
 - b.) Grassland ecosystem
 - c.) Desert ecosystem
 - d.) Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries).

Unit IV: Biodiversity and its Conservation:

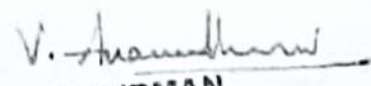
Introduction- Definition: genetic, species and ecosystem diversity.

- Bio geographical classification of India.
- Value of biodiversity: consumptive use, productive use, social, ethical, aesthetic and option values.
- Biodiversity at global, National and local levels.
- India as a mega-diversity nation
- Hot-spots of biodiversity
- Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts
- Endangered and endemic species of India
- Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity



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(W.E.F. 2016-17)



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Osmania University
Hyderabad - 500 007 (A.P.)

SECOND YEAR - FOURTH SEMESTER

B.Com.
B.Com. (Comp. Appl.)
B.Com. (E.Com.)
B.Com. (Hons.)

ENVIRONMENTAL SCIENCE

Continued

Unit V: Environmental Pollution:

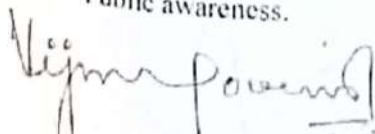
Definition


- Causes, effects and control measures of:
 - a) Air pollution
 - b) Water pollution
 - c) Soil pollution
 - d) Marine pollution
 - e) Noise pollution
 - f) Thermal pollution
 - g) Nuclear pollution
- Solid waste Management: causes, effects and control measures of urban and industrial wastes
- Role of an individual in prevention of pollution
- Pollution case studies
- Disaster management: floods, earthquakes, cyclone and landslides

Unit VI: Social issues and the environment:

From Unsustainable to sustainable development

- Urban problems related to energy
- Water conservation, rain water harvesting, watershed management
- Resettlement and rehabilitation of people; its problems and concerns, case studies
- Environmental ethics: Issues and possible solutions
- Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust. Case studies.
- Wasteland reclamation.
- Consumerism and waste products.
- Environmental Protection Act
- Air (prevention and Control of pollution) Act.
- Water (Prevention and control of pollution)
- Wildlife Protection Act
- Forest Conservation Act
- Issues involved in enforcement of environmental legislation
- Public awareness.


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SECOND YEAR -FOURTH SEMESTER

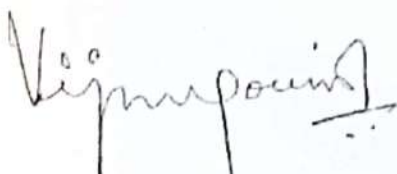
B.Com.
B.Com. (Comp. Appl.)
B.Com. (E.Com.)
B.Com. (Hons.)


Continued

ENVIRONMENTAL SCIENCE

REFERENCES

1. Agarwal, K.C. 2001 Environmental Biology, Nidi Publ. Ltd. Bikanaer
2. Bharucha Erach, The Biodiversity of India, Mapin Publishing Pvt. Ltd. Ahmedabad-380 013, India, Email:mapin@icenet.net(R)
3. Brunner R.C., 1989, Hazardous Waste Incineration, McGraw Hill Inc. 480p
4. Clark R.S., Marine Pollution, Clarendon Press Oxford(TB)
5. Cunningham, W. P. Cooper, T.H. Gorhani, E & Hepworth, M.T.2001, Environmental Encyclopaedia, Jaico Publ. House, Mumbai, 1196p
6. De A.K., Environmental Chemistry, Wiley Eastern Ltd
7. Down to Earth, Centre for Science for Environment(R)
8. Gleick, H.P. 1993. Water in crisis, Pacific Institution for studies in Dev., Environment & Security. Stockholm Env. Institute, Oxford Univ. Press. 473p
9. Hawkins R.E, Encyclopaedia of Indian Natural History, Bombay Natural history Society, Bombay(R)
10. Heywood, V.H & Watson, R.T. 1995. Global Biodiversity Assessment Cambridge Univ. Press 1140p
11. Jadhav, H &Bhosale, V.M. 1995. Environmental Protection and Laws. Himalaya Pub. House, Delhi 284p
12. McKinney, M.L. &Schoch, R.M 1996. Environmental science systems & Solutions, Web enhanced edition. 639p
13. Mhaskar A.K, Matter Hazardous, Techno-science Publications(TB)
14. Miller T.G. Jr., Environmental Science, Wadsworth Publishing Co. (TB)
15. Odum, E.P. 1971. Fundamentals of Ecology. W.B. Saunders Co. USA,574p
16. Rao M N &Datta, A.K. 1987. Wate Water treatment. Oxford & IBH Publ. Co. Pvt. Ltd. 345p.


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THIRD YEAR - FIFTH SEMESTER

B.Com.
B.Com. (Comp. Appl.)
B.Com. (E.com.)
B.com. (Hons)

SCIENCE AND CIVILIZATION

Paper: S&C609
PPW: 1Hrs
Exam Duration: 2 Hrs

Max. Marks: 50
Credits: 1

Unit I:

Evolution of Civilization:

1. Introduction to the evolution of Man in the Paleolithic period (Old Stone Age), Mesolithic Period (Middle Stone Age)
2. Sources for study of Pre-historic and proto-historic cultures.
3. Periodisation of Paleolithic, Mesolithic, and Neolithic periods; Determining and division of Paleolithic cultures. Pleistocene (Ice Age) or Geological period.
4. Dating and Description of the tools found in the Lower, Middle and Upper Paleolithic phases; Chronological and characteristics features of these materialistic cultures.
5. Chronology of Mesolithic phase and distribution of microlithic industry; Period of transition and importance of domestication of animals; Use of Fire; Need for language-increasing need for social organization and religion.
6. Beginning of the society-culture and civilization; Neolithic period (New Stone Age)- Early phase; Progress of Man in material cultures i.e. development of technology, economy and adaptation of man to social environment; Growth of civilization and urbanization in a phased manner; Neolithic and its comparison with earlier stone age cultures; Chronology of Neolithic cultures in South Asia and the Regional distribution of Neolithic culture-their Characteristics.
7. Chalcolithic cultures or the Age of Metal on the Indian Subcontinent; Copper Age; Bronze Age and the new metal technological development; Participation of social and religious groups in the city life; Demarcation of political and economic authority; Growth and expansion of early civilization; Science and literature.



76

Dr. A. VIJAYA GOVIND
HOD COMMERCE

Aravind Bloom College (Autonomous)
HYDERABAD, T.S.



CHAIRMAN

Board of Studies in Commerce
Osmania University
Hyderabad - 500 007 (A.P.)

Unit II:

Scientific Discoveries/Scientific Inventions:

1. Solar System , Gravitation and Kepler's Laws : Electromagnetic spectrum; Defects of eye and correcting devices , Lasers and its applications; Heat engines and Refrigeration; Electron –its discovery, X-rays and their application; Semi conductors, Transistors; Fission, Fusion and Nuclear Reactors, Dynamite.
2. Life Sciences : Concept of Origin of Life; Evolution and diversity of life, Cell theory and Molecular basis of living forms; Mendelian concepts on inheritance; DNA as a Genetic material; Recombinant DNA technology and its impact on society; Blood Groups and transfusion.
3. Chemical Sciences : Antibiotics and development of drugs: Pencillin, chloromycetin, streptomycin, tetracycline, sulpha-drugs, anti-materials, antipyretics and analgesics. Plastics and polymers; Polythene, polyvinylchloride (PVC), Nylon, terylene, phenol-formaldehyde resins, synthetic rubber.

Soaps and Detergents: Sources; Mechanism of soap action; Development of synthetic detergents.

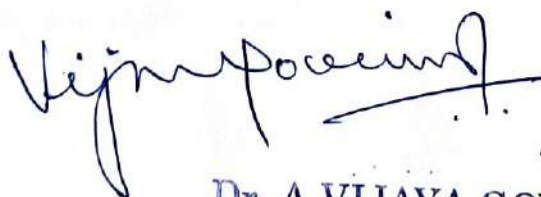
Agrochemicals and Fertilizers : Pesticides : Introductory treatment – DDT, BHC, Malathion, Parathion, Fungicides, Rodenticides, Weedicides, Nitrogen and phosphorous fertilizers. Micro fertilizers, Biopesticides, neem and bacillus thuringensis.

Biofertilizers, Patenty. Vitamins: Natural sources of fat and water-soluble vitamins; Vitamin deficiencies.

Unit III:

Modern Sciences:

1. Non-conventional energy sources and their application.
2. The nature of life, heredity and health; Genetic engineering and its applications.
3. Sex education: Reproduction; Venereal diseases; AIDS; Genetic disorders and Counseling.
4. Drug Addiction: Hazards of smoking.
5. Psychosomatic diseases and their management.
6. Micro-organisms in health and disease; Vaccine.
7. Bio-technology and industry.
8. Green Revolution.



77
Dr. A. VIJAYA GOVIND
HOD COMMERCE
Anwarul Uloom College (Autonomous)
HYDERABAD, T.S.



CHAIRMAN
Board of Studies in Commerce
Osmania University
Hyderabad - 500 007 (A.P.)

Unit -IV:

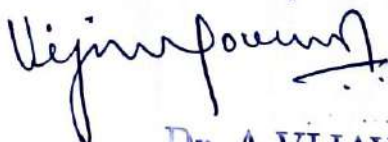
Information Technology, Communication and Transport:

1. Information Technology : Introduction, Components of Computer – C.P.U., Memory, Input – Output devices, Secondary Storage devices, Communications, Evolution of Computers, Programming languages and operating systems, Computer Networks – LAN, WAN , Internet services. IT Applications: Business and industry, Education and Training, Arts and Entertainment Science and Engineering, Multimedia- Text, Graphics, Sound, Video application.
2. Definition, nature and concept of communication and its role in society.
Types of communication: Intra-personal, Interpersonal, group and mass communication.
Traditional and folk forms of communication in India.
New Media Technologies : Satellite Cable and Internet.
Process of communication: Functions of communication, elements and barriers of communication.
Mass Media : Press, Radio, TV and Films. Functions of mass communication.
3. Transport : Wheel, Steam Engine, Automobile, Ship, Aero plane, Comparison of Road, Rail, Water and Air transport

Unit-V:

Environmental Science:

1. Environment and its characteristic features: Lithosphere, Hydrosphere, Atmosphere.
(a) Lithosphere : Soil Characteristics, texture types, fertility, and its control.
(b) Hydrosphere : Hydrological cycle, water bodies, ponds, lakes. Rivers and their characteristics. Water consumption at global and regional levels.
(c) Atmosphere : Troposphere, Stratosphere, Ionosphere, Composition of air, Ozone layer.
2. Ecosystem: Definition, a biotic and biotic components. Study of different ecosystems: Lake, Forest, Mangroves.
3. Environmental Pollution : Causes, consequences and control measures. Types of Pollution: Air, Water, Land, Noise.
Air Pollution: Major air pollutants – Oxides of carbon, Nitrogen, Sulphur. Green house gases. Ambient air quality.
Water Pollution: Sources and effects : (a) Domestic (b) Sewage (c) Agricultural (d) Industrial; and (e) Radioactive wastes. Drinking water standards. Effluent treatment plant.
Land Pollution: Sources and Effects of soil pollutants: (a) Chemical fertilizers (b) Pesticides, Fungicides, Herbicides (c) industrial wastes. Ground – water pollution.
Noise Pollution : Sources of noise, its effects and control measures.
4. Biodiversity: Definition, diversity of flora and endangered and extinct species and their conservation.



78

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HOD COMMERCE
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HYDERABAD, T.S.



CHAIRMAN
Board of Studies in Commerce
Osmania University
Hyderabad - 500 007 (A.P.)

E-waste management

No. of Credits - 2

B.Sc. Botany V Semester
A6507

Unit I: Solid Waste Management

Solid Waste: Definition. Sources of solid waste. Characteristic of solid waste: physical, chemical and biological. Classification. Factors affecting solid waste generation. Handling and separation of solid waste at source.

Unit II: Water treatment: Hardness of water, units of water, disadvantage of hard water Desalination of Brackish water. Waste: Production, Prevention, Problems and Source of waste, cost of Waste, Waste minimization technique, waste treatment and recycling.

Unit III: Hazardous waste management: Definition and characteristics, Sources and type based categorization, Treatment technologies: Physico-chemical, thermal, biological, sea and land disposal, Hazardous Waste (Management & Handling) Biomedical wastes: Definition, Sources, Generation, Segregation and storage of biomedical waste, Packaging, Handling and Transport of wastes, Treatment and disposal techniques, Biomedical Waste (Management & Handling) Rules.

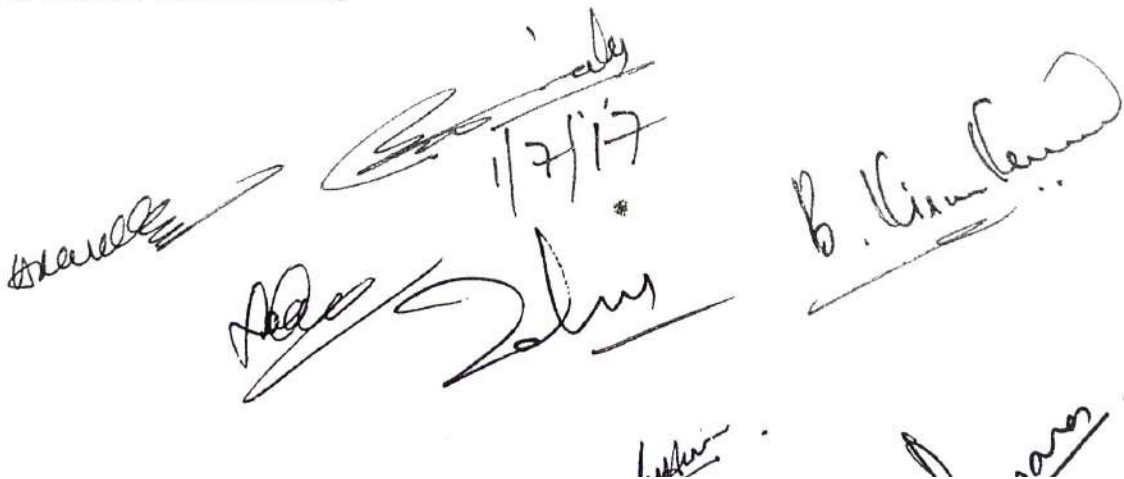
Unit IV: E-Waste: Definition and sources, Environmental and health impacts, Treatment and management, E waste (Management & Handling) Rules. Radioactive wastes: Types and sources, waste disposal techniques and management.

References:

Environmental management: G. N. Pandey; Vikash Publishing House.

Environnemental management: H. M. Saxena; Rawat Publications .

Environmental Management –Physio-ecological facets (Vol. I & II): Rai, Mohapatra & Goel(ed); Rawat Publications Environmental Engineering Series; Publ. Commonwealth of Learning, Indian Institute of Science (IISC), Bangalore. 16. Environmental Management B. Khitolia, S Chand Publication,

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ANWARUL ULOOM COLLEGE (AUTONOMOUS)

B.Sc. Biotechnology

Ist Year (2018-2019)

SEMESTER - I

AQUATIC ENHANCEMENT COMPULSORY COURSE - I

Environmental studies

Hours/ week - 2hrs
Credits - 2

Unit - I : Ecosystem, Biodiversity & Natural Resources

- Definition , Scope & Importance of Environmental studies
- Structure of Ecosystem - Abiotic & Biotic components Producers , Consumers ,Decomposers , Foodchain , Foodwebs , Ecological Pyramids
- Function of an Ecosystem : Energy flow in the Ecosystem (Single channel energy flow model)
- Definition of Biodiversity , Genetics ,Species & Ecosystem diversity , Hotspots of Biodiversity ,Threats to Biodiversity, Conversion of Biodiversity (Insitu & Exsitu)
- Renewable & Non - renewable resources ,Brief account of forest ,Mineral & Energy (Solar Energy & Geothermal Energy) resources
- Water Conversion , Rain water harvesting & Watershed management.

Unit -II: Environmental Pollution , Global Issues & Legislation

- Causes , Effects & control measures of Air Pollution ,Water Pollution
- Solid Waste Management
- Global warming & Ozone layer depletion
- Ill effects of Fire works
- Disaster management - floods , earthquakes & Cyclones
- Environmental legislation :-
- Wild Life Protection act (b) Forest Act (c) Water Act (d) Air act
- Human Rights
- Women and Child welfare
- Role of Information technology in environment and human health

Signature

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Signature

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Signature

Dr.H.Surekha Rani
M.sc., Ph.D.

Assistant Professor
Department of Genetics & Biotechnology
Osmania University, Hyderabad-500 0



Field Study

- Pond Ecosystem
- Forest Ecosystem

REFERENCES

- Environmental studies –from crisis to cure –by R.Rajagopalan (Third edition) Oxford University Press
- Text book of Environmental studies for undergraduate courses (Second edition) by Erach Bharucha
- A text book of Environmental studies by Dr.D.K.Asthana and Dr . Meera Asthana



Surekha Rani

Dr.H.Surekha Rani
M.sc., Ph.D.
Asst. Professor
Department of Genetics & Biotechnology
Osmania University, Hyderabad-500 007.

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ANWARUL ULOOM COLLEGE (AUTONOMOUS)

B.Sc. Biotechnology

Ist Year (2018-2019)

Semester – II

ABILITY ENHANCEMENT COMPULSORY COURSE – II

Gender Sensitization

Hours/ week – 2hrs
Credits - 2

Unit – I :Gender –Definition and spectrum

- Introduction
- Gender Rules
- Gender Stereotypes
- Historicity of gender—Indian scenario
- What is Gender Spectrum
- Gender diversity
- The notion of Gender spectrum in India
- Transgender Identities in India

Unit – II :Gender – Based Division of Labour

- Introduction
- Gender Division of Labour
- Are Gender roles biological or social ?
- How do culture and tradition affect gender roles ?
- Modernity and technology impact on gender division
- Domestic Work and use value
- Gender- Socio Economic discourse
- Gender – Human Rights
- Gender parity or Gender Equality –Need for cultural Transformation
- Contemporary Challenges to Gender Equality
- Efforts on Gender Equality
- Gender Inequality Index and Gender Parity Index
- Gender Budgeting
- Role of Media

M. Humayun

H. Surekha Rani
Dr. H. Surekha Rani
M.sc., Ph.D.

Asst. Professor
Department of Genetics & Biotechnology
Osmania University, Hyderabad-500

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ANWARUL ULOOM COLLEGE (AUTONOMOUS)

B.B.A
Ist Year (2018-2019)

SEMESTER – I

ABILITY ENHANCEMENT COMPULSORY COURSE - I

Environmental studies

Hours/ week – 2hrs

Credits - 2

Unit –I : Ecosystem, Biodiversity & Natural Resources

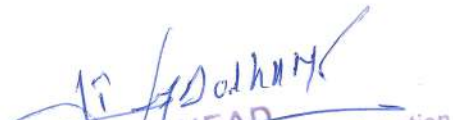
- Definition , Scope & Importance of Environmental studies
- Structure of Ecosystem – Abiotic & Biotic components Producers , Consumers ,Decomposers , Foodchain , Foodwebs , Ecological Pyramids
- Function of an Ecosystem : Energy flow in the Ecosystem (Single channel energy flow model)
- Definition of Biodiversity , Genetics ,Species & Ecosystem diversity , Hotspots of Biodiversity ,Threats to Biodiversity, Conversion of Biodiversity (Insitu & Exsitu)
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Unit –II: Environmental Pollution , Global Issues & Legislation

- Causes , Effects & control measures of Air Pollution ,Water Pollution
- Solid Waste Management
- Global warming & Ozone layer depletion
- Ill effects of Fire works
- Disaster management – floods , earthquakes & Cyclones
- Environmental legislation :-
- Wild Life Protection act (b) Forest Act (c) Water Act (d) Air act
- Human Rights
- Women and Child welfare
- Role of Information technology in environment and human health

Field Study

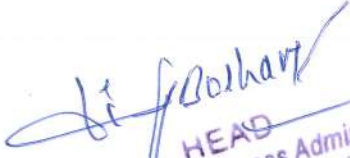
- Pond Ecosystem
- Forest Ecosystem



HEAD
Department of Business Administration
Anwarul Uloom College
New Mallepally, Hyderabad-501


Dr. Syed Ishaq Safiquddin
Assistant Professor
Department of Management Studies
Maulana Azad National Urdu University
Gachibowli, Hyderabad. (T.S.)

REFERENCES

- Environmental studies –from crisis to cure –by R.Rajagopalan (Third edition)
Oxford University Press
- Text book of Environmental studies for undergraduate courses (Second edition) by
Erach Bharucha
- A text book of Environmental studies by Dr.D.K.Asthana and Dr . Meera Asthana


HEAD
Department of Business Administration
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Dr. Syed Ikhaja Safiuddin
Assistant Professor
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Maulana Azad National Urdu University
Gachibowli, Hyderabad. (T.S.)

THIRD YEAR
V - SEMESTER

BUSINESS ETHICS

Paper code: BBA Add-On
Core Course – EC-3
P.P.W: 2

Maximum Marks : 50
Marks: 35 T + 15 IA
Exam Duration: 2 Hrs
Credits : 2

Subject Objectives:

- To understand the process of business management and its functions, and · To familiarize the students with current management practices. ·
- To understand the importance of ethics in business, and ·
- To acquire knowledge and capability to develop ethical practices for effective management.

UNIT I

Nature and scope of Management- evolution of management- Schools of management thought- F.W.Taylor and Henry Fayol; principles of management- management as a science and an art-management process.

UNIT II

Functions of management- planning: types of plan-planning process; organizing- span of control - line and staff functions - centralization and decentralization-delegation- staffing- manpower planning- recruitment- selection and placement- directing-principles of direction- coordinating, and controlling.

UNIT III


Manager vs leader- leadership and motivation- leadership styles- theories of motivation. MBO; Management of performance- Understanding and managing group processes- characteristics of work group- work group behaviour and productivity- team creation and management


UNIT IV

Ethics; culture and values- Importance of culture in organisations- Indian ethos and value systems- Model of management in the Indian socio political environment- Work ethos- Indian heritage in production and consumption.

UNIT v

Business ethics: Relevance of values in Management- Holistic approach for managers in


HEAD
Department of Business Administration
Anwarul Uloom College
New Mallepally, Hyderabad-01


Dr. Syed Khaja Safiuddin
Assistant Professor
Department of Management Studies
Madana Azad National Urdu University
Gachibowli, Hyderabad (T.S)

VI - SEMESTER

SCIENCE & CIVILIZATION

Paper code: S&C Core Course – FC-3 P.P.W: 2	Maximum Marks : 50 Marks: 50 Exam Duration: 2 Hrs Credits : 2
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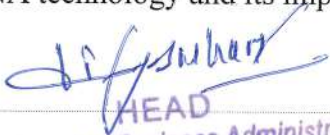
Subject Objectives:

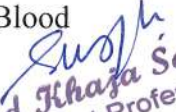
Unit I: Evolution of Civilization:

1. Introduction to the evolution of Man in the Paleolithic period (Old Stone Age), Mesolithic Period (Middle Stone Age)
2. Sources for study of Pre-historic and proto-historic cultures.
3. Periodisation of Paleolithic, Mesolithic, and Neolithic periods; Determining and division of Paleolithic cultures. Pleistocene (Ice Age) or Geological period.
4. Dating and Description of the tools found in the Lower, Middle and Upper Paleolithic phases; Chronological and characteristics features of these materialistic cultures.
5. Chronology of Mesolithic phase and distribution of microlithic industry; Period of transition and importance of domestication of animals; Use of Fire; Need for language-increasing need for social organization and religion.
6. Beginning of the society-culture and civilization; Neolithic period (New Stone Age)-Early phase; Progress of Man in material cultures i.e. development of technology, economy and adaptation of man to social environment; Growth of civilization and urbanization in a phased manner; Neolithic and its comparison with earlier stone age cultures; Chronology of Neolithic cultures in South Asia and the Regional distribution of Neolithic culture-their Characteristics.
7. Chalcolithic cultures or the Age of Metal on the Indian Subcontinent; Copper Age; Bronze Age and the new metal technological development; Participation of social and religious groups in the city life; Demarcation of political and economic authority; Growth and expansion of early civilization; Science and literature.

Unit II: Scientific Discoveries/Scientific Inventions:

1. Solar System , Gravitation and Kepler's Laws : Electromagnetic spectrum; Defects of eye and correcting devices , Lasers and its applications; Heat engines and Refrigeration; Electron –its discovery, X-rays and their application; Semi conductors, Transistors; Fission, Fusion and Nuclear Reactors, Dynamite.
2. Life Sciences : Concept of Origin of Life; Evolution and diversity of life, Cell theory and Molecular basis of living forms; Mendelian concepts on inheritance; DNA as a Genetic material; Recombinant DNA technology and its impact on society; Blood Groups and transfusion.


HEAD
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Anwarul Uloom College
New Malapally, Hyderabad-01


Dr. Syed Khaza Safiuddin
Assistant Professor
Department of Management Studies
Maulana Azad National Urdu University
Gachibowli, Hyderabad. (T.S.)

3. Chemical Sciences : Antibiotics and development of drugs: Pencillin, chloromycetin, streptomycin, tetracycline, sulpha-drugs, anti-materials, antipyretics and analgesics. Plastics and polymers; Polythene, polyvinylchloride (PVC), Nylon, terylene, phenol-formaldehyde resins, synthetic rubber.

Soaps and Detergents: Sources; Mechanism of soap action; Development of synthetic detergents.

Agrochemicals and Fertilizers : Pesticides : Introductory treatment – DDT, BHC, Malathion, Parathion, Fungicides, Rodenticides, Weedicides, Nitrogen and phosphorous fertilizers. Micro fertilizers, Biopesticides, neem and bacillus thuringensis.

Biofertilizers, Patenty. Vitamins: Natural sources of fat and water-soluble vitamins; Vitamin deficiencies.

Unit III: Modern Sciences:

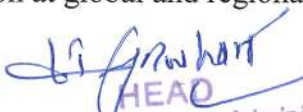
1. Non-conventional energy sources and their application.
2. The nature of life, heredity and health; Genetic engineering and its applications.
3. Sex education: Reproduction; Venereal diseases; AIDS; Genetic disorders and Counselling.
4. Drug Addiction: Hazards of smoking.
5. Psychosomatic diseases and their management.
6. Micro-organisms in health and disease; Vaccine.
7. Bio-technology and industry.
8. Green Revolution.


Unit IV : Information Technology, Communication and Transport:

1. Information Technology : Introduction, Components of Computer – C.P.U., Memory, Input – Output devices, Secondary Storage devices, Communications, Evolution of Computers, Programming languages and operating systems, Computer Networks – LAN, WAN , Internet services.IT Applications: Business and industry, Education and Training, Arts and Entertainment Science and Engineering, Multimedia- Text, Graphics, Sound, Video application.
2. Definition, nature and concept of communication and its role in society. Types of communication: Intra-personal, Interpersonal, group and mass communication. Traditional and folk forms of communication in India. New Media Technologies : Satellite Cable and Internet. Process of communication: Functions of communication, elements and barriers of communication. Mass Media : Press, Radio, TV and Films. Functions of mass communication.
3. Transport : Wheel, Stream Engine, Automobile, Ship, Aero plane, Comparison of Road, Rail, Water and Air transport


Unit V: Environmental Science:

1. Environment and its characteristic features: Lithosphere, Hydrosphere, Atmosphere.
 - (a) Lithosphere : Soil Characteristics, texture types, fertility, and its control.
 - (b) Hydrosphere : Hydrological cycle, water bodies, ponds, lakes. Rivers and their characteristics. Water consumption at global and regional levels.


HEAD
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Anwarul Uloom College
New Mallepally, Hyderabad-01


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Assistant Professor
Department of Management Studies
Maulana Azad National Urdu University
Gachibowli, Hyderabad. (T.S.)

- (c) Atmosphere : Troposphere, Stratosphere, Ionosphere, Composition of air, Ozone layer.
2. Ecosystem: Definition, abiotic and biotic components. Study of different ecosystems : Lake, Forest, Mangroves.
3. Environmental Pollution : Causes, consequences and control measures. Types of Pollution : Air, Water, Land, Noise.
Air Pollution : Major air pollutants – Oxides of carbon, Nitrogen, Sulphur. Green house gases. Ambient air quality.
Water Pollution : Sources and effects : (a) Domestic (b) Sewage (c) Agricultural (d) Industrial; and (e) Radioactive wastes. Drinking water standards. Effluent treatment plant.
Land Pollution : Sources and Effects of soil pollutants : (a) Chemical fertilizers (b) Pesticides, Fungicides, Herbicides (c) industrial wastes. Ground – water pollution.
Noise Pollution : Sources of noise, its effects and control measures.
4. Biodiversity : Definition, diversity of flora and endangered and extinct species and their conservation.
5. Protection and Management : Environmental awareness, education; Peoples participation; Role of NSS volunteers in environment protection and management; Role of School teachers and students.


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Anwarul Uloom College (Autonomous)

New Mallepally, Hyderabad
Affiliated to Osmania University
(Re-Accredited with NAAC with A – Grade)



Faculty of Science
Department of Chemistry

M. Sc. (Chemistry), 1st Year II – Semester

Human Values and Profession Ethics (Add-on)

(2019 – 20)

Teaching Hours: 2 Hours / week
Max. / Min. Marks: 50 / 16

Duration of Examination: 2 Hours
No. of Credits: 2

Syllabus

1. **Ethics:** Definitional aspects, relevance of Ethics in Society, scope of Ethics
2. The Philosophical basis of Ethics, consideration on moral philosophy, personal and family Ethics
3. Ethics in public affairs – Ethical standards for elected representatives of the people, Ethics for the Bureaucracy, Police and other institutions of coercive authority, basic values in the civil services such as dispassion, non – partisanship, moral integrity, objectivity, dedication to public service and empathy for the weaker sections and groups in society and non – corruptibility
4. Ethics and Professions – Ethical values, standards and practices concerning the legal profession, Medicine, Engineering etc.
5. Ethics at Workplace – cyber crime, Plagiarism, Sexual misconduct, fraudulent use of institutional resources etc.

Suggested Readings:

5. Subramanian R, 2013 – Professional Ethics, New Delhi, Oxford University Press

B.Sc. BOTANY
II Year: Semester-IV
Skill Enhancement Course

SEC-4

(Credits 2)

Mushroom Culture Technology Lectures: 30

UNIT-I

(15h)

1. Introduction & history. Medicinal value of edible mushrooms; Poisonous mushrooms. Types of edible mushrooms available in India - *Volvariella volvacea*, *Pleurotus citrinopileatus*, *Agaricus bisporus*.
2. Cultivation Technology: Infrastructure; substrates (locally available) Polythene bag, vessels, Inoculation hook, inoculation loop, low cost stove, sieves, culture rack, mushroom unit (Thatched house) water sprayer, tray, small polythene bag.
3. Pure culture: Medium, sterilization, preparation of spawn, multiplication. Mushroom bed preparation - paddy straw, sugarcane trash, maize straw, banana leaves.
4. Factors affecting the mushroom bed preparation - Low cost technology, Composting technology in mushroom production.

UNIT-II

(15h)

5. Storage: Short-term storage (Refrigeration - upto 24 hours) Long term Storage (canning, pickles, papads), drying, storage in salt solutions.
6. Nutritional value of Mushrooms: Proteins - amino acids, mineral elements nutrition - Carbohydrates, Crude fibre content - Vitamins.
7. Food Preparation: Types of foods prepared from mushroom. Research Centres - National level and Regional level. Cost benefit ratio - Marketing in India and abroad, Export Value.

Suggested Readings

1. Marimuthu, T. Krishnamoorthy, A.S. Sivaprakasam, K. and Jayarajan. R (1991) Oyster Mushrooms, Department of Plant Pathology, Tamil Nadu Agricultural University, Coimbatore.
2. Swaminathan, M. (1990) Food and Nutrition. Bappco, The Bangalore Printing and Publishing Co. Ltd., No. 88, Mysore Road, Bangalore - 560018.
3. Tewari, Pankaj Kapoor, S.C., (1988). Mushroom cultivation, Mittal Publications, Delhi.
4. Nita Bahl (1984-1988) Hand book of Mushrooms, II Edition, Vol. I & Vol. II.

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Prof. (Mrs) Rimmala Babu Ra
DEPARTMENT OF BOTANY,
University College
HYDERABAD.

ABILITY ENHANCEMENT COMPULSORY COURSE (AECC) - I

For the Academic Year 2020 - 2021 Onwards

B.Sc. PHYSICS, Semester -I

Environmental Studies



No. of Credits: 2

Unit –I: Ecosystem, Biodiversity & Natural Resources

- Definition, Scope & Importance of Environmental studies
- Structure of Ecosystem – Abiotic & Biotic components Producers, Consumers, Decomposers, Food chains, Food webs, Ecological Pyramids
- Function of an Ecosystem: Energy flow in the Ecosystem (Single channel energy flow model)
- Definition of Biodiversity, Genetics, Species & Ecosystem diversity, Hotspots of Biodiversity, Threats to Biodiversity, Conversion of Biodiversity (Insitu & Exsitu)
- Renewable & Non – renewable resources, Brief account of forest, Mineral & Energy (Solar Energy & Geothermal Energy) resources
- Water Conversion, Rain water harvesting & Watershed management.

Unit –II: Environmental Pollution, Global Issues & Legislation

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- Solid Waste Management
- Global warming & Ozone layer depletion
- Ill effects of Fire works
- Disaster management – floods, earthquakes & Cyclones
- Environmental legislation: -
Wild Life Protection act (b) Forest Act (c) Water Act (d) Air act
- Human Rights
- Women and Child welfare
- Role of Information technology in environment and human health
-

❖ Field Study

- Pond Ecosystem
- Forest Ecosystem

REFERENCES:

- Environmental studies –from crisis to cure –by R.Rajagopalan (Third edition) Oxford University Press.
- Text book of Environmental studies for undergraduate courses (Second edition) by Erach Bharucha.
- A text book of Environmental studies by Dr.D.K.Asthana and Dr . Meera Asthana.

FIRST YEAR- FIRST SEMESTER

B.Com (Gen)
B.Com. (Comp Appl)
B.Com.(Foreign Trade)
B.Com.(Adv & Sales Management)
B.Com.(Tax Procedures)
&
B.Com(E-Comm)

AECC-1

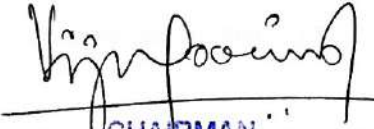
Environmental Studies.



THPW:	2Hrs
Exam Duration:	2Hrs
Marks:	50 (2Credits)

Unit-I

Ecosystem, Biodiversity & Natural Resources

1. Definition, Scope & Importance of Environmental Studies
2. Structure of Ecosystem – (A biotic & biotic components Producers, Consumers, Decomposers, Food chains, Food webs, Ecological pyramids)
3. Function of an Ecosystem: Energy flow in the Ecosystem (Single channel energy flow model)
4. Definition of Biodiversity, Genetic, Species & Ecosystem diversity, Hot-spots of Biodiversity, Threats to Biodiversity, Conservation of Biodiversity (Insitu & Exsitu)
5. Renewable & Non – renewable resources, Brief account of Forest, Mineral & Energy (Solar Energy & Geothermal Energy) resources
6. Water Conservation, Rain water harvesting & Watershed management.


CHAIRMAN
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AECC-1

Environmental Studies.

...Continued


UNIT – II:

Environmental Pollution, Global Issues & Legislation

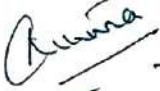
1. Causes, Effects & Control measures of Air Pollution, Water Pollution
 2. Solid Waste Management
 3. Global Warming & Ozone layer depletion.
 4. Ill – effects of Fire works
 5. Disaster management – floods, earthquakes & cyclones
 6. Environmental legislation :- (a) Wild life Protection Act (b) Forest Act (c) Water Act (d) Air Act
 7. Human Rights
 8. Women and Child welfare
 9. Role of Information technology in environment and Human health
- Field Study:(5 hrs)
1. Pond Ecosystem
 2. Forest Ecosystem

REFERENCES:

- Environmental Studies - from crisis to cure – by R. Rajagopalan (Third edition) Oxford University Press.
- Text book of Environmental Studies for undergraduate courses (second edition) by Erach Bharucha
- A text book of Environmental Studies by Dr.D.K.Asthana and Dr. Meera Asthna.


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AECC-2

Basis Computer Skills

THPW: 2 Hrs

Exam Duration: 2 Hrs

Marks: 50(2 Credits)

Objective: To impart a basic level understanding of working of a computer and its usage.

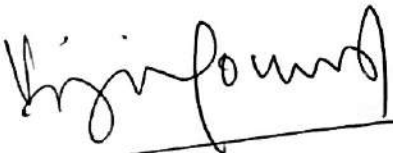
UNIT I:


UNDERSTANDING OF COMPUTER AND WORD PROCESSING:

Knowing computer: What is Computer, Basic Applications of Computer; Components of Computer System, Central Processing Unit (CPU), VDU, Keyboard and Mouse, Other input/output Devices, Computer Memory, Concepts of Hardware and Software; Concept of Computing, Data and Information; Applications of IECT; Connecting keyboard, mouse, monitor and printer to CPU and checking power supply.

Operating Computer using GUI Based Operating System: What is an Operating System; Basics of Popular Operating Systems; The User Interface, Using Mouse; Using right Button of the Mouse and Moving Icons on the screen, Use of Common Icons, Status Bar, Using Menu and Menu-selection, Running an Application, Viewing of File, Folders and Directories, Creating and Renaming of files and folders, Opening and closing of different Windows; Using help; Creating Short cuts, Basics of O.S Setup; Common utilities.

Understanding Word Processing: Word Processing Basics; Opening and Closing of documents; Text creation and Manipulation; Formatting of text; Table handling; Spell check, language setting and thesaurus; Printing of word document.


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AECC-2

Basis Computer Skills

...Continued

UNIT II:

SPREAD SHEET, PRESENTATION SOFTWARE & INTRODUCTION TO INTERNET, WWW AND WEB BROWSERS:

Using Spread Sheet: Basics of Spreadsheet; Manipulation of cells; Formulas and Functions; Editing of Spread Sheet, printing of Spread Sheet.

Basics of presentation software: Creating Presentation; Preparation and Presentation of Slides; Slide Show; Taking printouts of presentation / handouts.

Introduction to Internet, WWW and Web Browsers:

Introduction to Internet: Basic of Computer networks; LAN, WAN; Concept of Internet; Applications of Internet; connecting to internet; What is ISP; Knowing the Internet; Basics of internet connectivity related troubleshooting.

World Wide Web: Search Engines; Understanding URL; Domain name; IP Address; Using e-governance website.

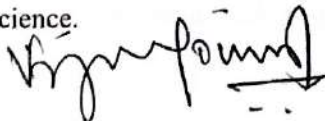
Web Browsing: Software, Communications and collaboration: Basics of electronic mail; Getting an email account; Sending and receiving emails; Accessing sent emails; Using Emails; Document collaboration; Instant Messaging; Netiquettes.

SUGGESTED READINGS:

1. Introduction to Computers, Peter Norton, Mc GrawHill , 2012.
2. Using Information Technology, Brian K williams, StaceyC.Sawyer, Tata Mc GrawHill.

Web Resources:

1. <https://online.stanford.edu/courses/soe-yccscs101-sp-computer-science-101>
2. [https://www.extension.harvard.edu/open-learning-initiative/intensive-introduction-computer-science.](https://www.extension.harvard.edu/open-learning-initiative/intensive-introduction-computer-science)



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