



# 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 1<sup>st</sup>, 2<sup>nd</sup> & 3<sup>rd</sup> 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 <sup>st</sup> 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 <sup>st</sup> 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 <sup>ND</sup> 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 <sup>ND</sup> 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

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

9	3 <sup>rd</sup> 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 <sup>rd</sup> 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

*Mayal*

Head of the Department

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



**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 <sup>st</sup> 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 <sup>st</sup> 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 <sup>nd</sup> 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 <sup>nd</sup> 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			Drug designing (SECC- IV)	2	2	2	-	50	50
15	3 <sup>rd</sup> Year 2019 - 2020	V	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			Basics in biotechnology -- (GE- I)	2	2	2	-	50	50
21	3 <sup>rd</sup> Year 2019 - 2020	VI	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
25			Intellectual property rights (SECC- VI)	2	2	2	-	50	50
26			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. H. 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  
 Malleshpally, Hyderabad-500 001.

**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
<b>Total Credits in each semester</b>				<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>
<b>Total Credits in UG</b>				<b>150</b>					
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

**Head of Institution**
  
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Anwarul Uloom College (Autonomous)  
New Mallepally, Hyderabad  
Affiliated to Osmania University  
(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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BOS IN BOTANY

CHAIRPERSON  
B.O.S. IN BOTANY  
OSMANIA UNIVERSITY  
HYDERABAD-500 007.

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	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

*R.P. Rao*  
 CHAIRPERSON  
 B.O.S. IN BOTANY  
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*H. P. Rao*  
*S. Rao*  
*V. Rao*  
 CHAIRPERSON  
 BOS IN BOTANY



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
<b>FIRST YEAR SEMESTER - I</b>				
BS 104	PAPER-I : Microbial Diversity and Lower Plants	DSC-1A	4T+2P=6	4+1=5
<b>FIRST YEAR SEMESTER - II</b>				
BS 204	PAPER-II: Gymnosperms, Taxonomy of Angiosperms and Ecology	DSC-1B	4T+2P=6	4+1=5
<b>SECOND YEAR SEMESTER - III</b>				
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
<b>SECOND YEAR SEMESTER - IV</b>				
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
<b>THIRD YEAR SEMESTER - V</b>				
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
<b>THIRD YEAR SEMESTER - VI</b>				
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.

CHAIRMAN  
BOS IN BOTANY  
Prof. (Mr.) Kiran Kumar  
DEPARTMENT OF BOTANY  
University College  
HYDRABAD. 3/PAGE

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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	IA	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

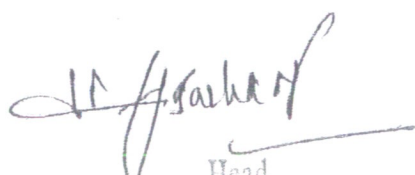
SECOND YEAR:


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:

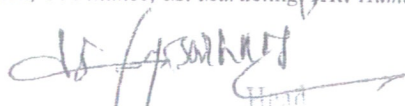
21	ELS-IV	English-IV	CC-17	35	15	50	3Hrs	3
22	SLS-IV	Second Language –IV	CC-18	35	15	50	3Hrs	3
23	BBA401	Business Law and Ethics	CC-19	35	15	50	5Hrs	5
24	BBA402	Market Research	CC-20	35	15	50	5Hrs	5
25	BBA403	Management Science	CC-21	35	15	50	5Hrs	5
26	SEC-3	Personality Development	EC-3	50	-	50	2 Hrs	2
27	SEC-4	Business Intelligence & Data Visualization	EC-4	50	-	50	2Hrs	2
Total							25Hrs	25

  
Head  
Department of Business Administration  
Anwarul Uloom College  
(Autonomous)  
(Affiliated to Osmania University)  
New Market, Hyderabad, T.S., India.

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

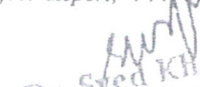
THIRD YEAR: SEMESTER-V: (2019-2020 Batch)								
28	ELS-V	English -V	CC-22	35	15	50	3Hrs	3
29	SLS-V	Second Language-V	CC-23	35	15	50	3Hrs	3
30	GE-I	Mobile Commerce	GE-I	50	-	50	2 Hrs	2
31	SECC-3	Personality Development	EC-3	50	-	50	2 Hrs	2
32	BBA501	a) Financial Markets and Services ( F ) b) Brand Management (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
		<b>Total</b>					<b>25 Hrs</b>	<b>25</b>
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
							<b>30Hrs</b>	<b>29</b>

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.



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Department of Business Administration  
Anwarul Uloom College  
(Autonomous)  
(Affiliated to Osmania University)  
New Mallepally, Hyd-500042

  
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-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

*[Signature]*  
**HEAD**  
Department of Business Administration  
Anwarul Uloom College  
New Mallepally, Hyderabad-01

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



# ANWARUL ULOOM COLLEGE

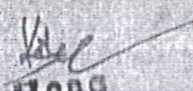
B.Sc (M.P.C; B.Z.C. B.M.C & N.Z.C)

## 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 <sup>st</sup> 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	I6409	2 Hrs	1
III	V	Paper V(Theory)	6509	4 Hrs	4



	Paper – VA (Elective)	6509A	4 Hrs	4
	Paper- VB(lective)	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
	Paper-VI(Theory)	6609	4 Hrs	4
	Paper – VIA (Elective)	6609A	4 Hrs	4
	Paper- VIB(lective)	6609B	4 Hrs	4
VI	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

  
**HONG**  
 Department of Chemistry  
 Osmania University  
 HYDERABAD-500 007



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

2021-22

Sl.No. (1)	Code (2)	Course Title (3)	Sem Exam (4)	I/A (5)	Total (6)	THPW (7)	Credits (8)
<b>FIRST YEAR: SEMESTER-I (Syllabus Approved in the year (2019-20))</b>							
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
		<b>Total</b>				<b>25</b>	<b>25</b>
<b>SEMESTER-II:</b>							
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
		<b>Total</b>				<b>25</b>	<b>25</b>
<b>SECOND YEAR: SEMESTER-III (Syllabus Approved in the year (20-2021))</b>							
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	3 hrs	5
		<b>Total</b>				<b>25</b>	<b>25</b>
<b>SEMESTER - IV</b>							
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
		<b>Total</b>				<b>25</b>	<b>25</b>

Website: [www.anwarulloom.in](http://www.anwarulloom.in)

Commerce Blog: [www.auccommerceblog.wordpress.com](http://www.auccommerceblog.wordpress.com)

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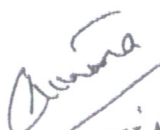
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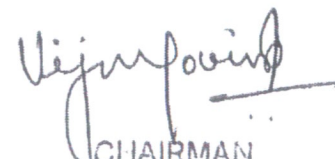
Vejan Prasad

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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	Business Economics	50	-	50	4 hrs	4
30.	DSE501	a) <b>Cost Accounting</b> – (OR) b) Financial Planning & Performance- (OR) c) International Financial Reporting-I	35	15	50	5 hrs	5
31.	DSE502	a) <b>Computerized Accounting</b> -(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) <b>Auditing</b> -(OR) b) Advanced Corporate Accounting-(OR) c) Financial Management	35	15	50	5 hrs	5
<b>Total</b>						<b>25</b>	<b>25</b>
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) <b>Cost Control and Management Accounting</b> -(OR) b) Financial control-(OR) c) International Financial Reporting-II	35	15	50	5hrs	5
37.	DSE602	a) <b>Theory and Practice of GST</b> -(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) <b>Accounting Standards</b> -(OR) b) Corporate Governance-(OR) c) Investment Management	35	15	50	5 hrs	5
<b>Total</b>						<b>25</b>	<b>25</b>
<b>GRAND TOTAL</b>						<b>150</b>	<b>150</b>

  
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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.

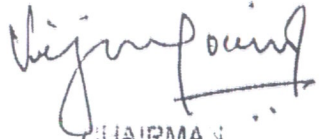
**Note: \*If a student opts for 'a' in III semester, He/She has to opt for "a" in the following semester too (IV Semester)**

- 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
	<b>TOTAL</b>	<b>38</b>		<b>150</b>
	<b>Commerce Subjects</b>	<b>24</b>		<b>110</b>
<b>CREDITS UNDER NON-CGPA</b>		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	TIPW	Credits
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
<b>FIRST YEAR: SEMESTER – I</b> (Syllabus Approved in the year 2019-20)							
1.	ELSI	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
		<b>Total</b>				<b>25</b>	<b>25</b>
<b>SEMESTER – II</b>							
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
		<b>Total</b>				<b>25</b>	<b>25</b>
<b>SECOND YEAR: SEMESTER – III</b> (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
		<b>Total</b>				<b>25</b>	<b>25</b>
<b>SEMESTER – IV</b>							
20.	EBS4	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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		Total				25	25
<b>THIRD YEAR: SEMESTER - V-(2021-22)</b>							
27.	ELS5	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
		<b>Total</b>				<b>25</b>	<b>25</b>
<b>SEMESTER - VI</b>							
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
		<b>Total</b>				<b>25</b>	<b>25</b>
		<b>GRAND TOTAL</b>				<b>150</b>	<b>150</b>

*Vejmpati*

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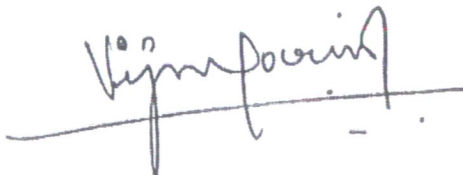
ELS: English Language Skill : Second Language Skill; HUTA


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
	<b>TOTAL</b>	<b>38</b>		<b>150</b>
	Commerce Subjects	26		110
<b>CREDITS UNDER NON-CGPA</b>		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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Osmania University  
Hyderabad - 500 007., (TS)



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)
<b>FIRST YEAR: SEMESTER – I ( Syllabus Approved in the year 2019-20)</b>							
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
		<b>Total</b>				<b>25</b>	<b>25</b>
<b>SEMESTER – II</b>							
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
		<b>Total</b>				<b>25</b>	<b>25</b>
<b>SECOND YEAR: SEMESTER – III- ( Syllabus Approved in the year 2020 - 21)</b>							
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
		<b>Total</b>				<b>25</b>	<b>25</b>
<b>SEMESTER – IV</b>							
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
		<b>Total</b>				<b>25</b>	<b>25</b>

*Vejnupand*

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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(IUTA)	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(IUTA)	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	50	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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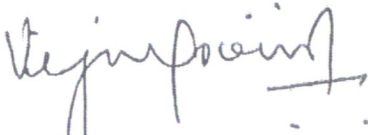
ELS: English Language Skill; SLS: Second Language Skill; HUTA: Hindi, Urdu, Telugu, Arabic  
AECC: Ability Enhancement Compulsory Course; SEC: Skill Enhancement Course; DSC: Discipline Specific Course; DSE: Discipline Specific Elective; GE: Generic Elective; THPW: Teaching hours per week; T: Theory; P: Practical (Two practical classes are considered as One hour of classroom teaching); IA: Internal Assessment

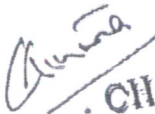
PR: Project Report; R: Record; VV: Viva-Voce Examination.

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
	<b>TOTAL</b>	<b>38</b>		<b>150</b>
	<b>Commerce Subjects</b>	<b>26</b>		<b>110</b>
<b>CREDITS UNDER NON-CGPA</b>		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)
<b>FIRST YEAR: SEMESTER – I (Syllabus Approved in the year 2019-20)</b>							
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
		<b>Total</b>				<b>25</b>	<b>25</b>
<b>SEMESTER – II</b>							
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
		<b>Total</b>				<b>25</b>	<b>25</b>
<b>SECOND YEAR: SEMESTER – III (Syllabus Approved in the year 2020-21)</b>							
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
		<b>Total</b>				<b>25</b>	<b>25</b>
<b>SEMESTER – IV</b>							
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
		<b>Total</b>				<b>25</b>	<b>25</b>

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*Aruna*  
- 14  
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Website: [www.anwaruloom.in](http://www.anwaruloom.in)

Commerce Blog: [www.aucommerceblog.wordpress.com](http://www.aucommerceblog.wordpress.com)

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Board of Studies in Commerce

ANWARUL ULOOM COLLEGE

Osmania University

AFFILIATED TO OSMANIYA UNIVERSITY

Hyderabad - 500 007., (TS)

TELEPHONE: 500 001 (T.S.)



**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) <b>Cost Accounting</b> -(OR) b) Financial Planning & Performance-(OR) c) International Financial Reporting-I	35	15	50	5 hrs	5
31.	DSE502	a) <b>Computerized Accounting</b> -(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) <b>International Advertising</b> -(OR) b) Advanced Corporate Accounting-(OR) c) Financial Management	35	15	50	5 hrs	5
		<b>Total</b>				<b>25</b>	<b>25</b>
<b>SEMESTER – VI</b>							
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) <b>Cost Control and Management Accounting</b> -(OR) b) Financial control-(OR) c) International Financial Reporting-II	35	15	50	5 hrs	5
37.	DSE602	a) <b>Theory and Practice of GST</b> -(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) <b>Brand Management</b> -(OR) b) Corporate Governance-(OR) c) Investment management	35	15	50	5 hrs	5
		<b>Total</b>				<b>25</b>	<b>25</b>
		<b>GRAND TOTAL</b>				<b>150</b>	<b>150</b>

*[Signature]*

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*[Signature]*

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Osmania University  
Hyderabad - 500 007., (TS)



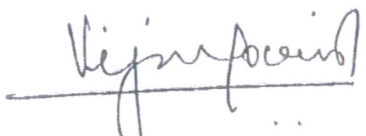
ELS; English Language Skill; SLS: Second Language Skill; HUTA; Hindi, Urdu, Telugu, Arabic  
AECC: Ability Enhancement Compulsory Course; SEC: Skill Enhancement Course; DSC: Discipline Specific Course; DSE: Discipline Specific Elective; GE: Generic Elective; THPW; Teaching hours per week; T: Theory; 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
	<b>TOTAL</b>	<b>38</b>		<b>150</b>
	<b>Commerce Subjects</b>	<b>24</b>		<b>106</b>
<b>CREDITS UNDER NON-CGPA</b>		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., (TS)



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)
<b>FIRST YEAR: SEMESTER – I</b> (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
		<b>Total</b>				<b>25</b>	<b>25</b>
<b>SEMESTER – II</b>							
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
		<b>Total</b>				<b>25</b>	<b>25</b>
<b>SECOND YEAR: SEMESTER – III- (2020-21)</b>							
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
		<b>Total</b>				<b>25</b>	<b>25</b>
<b>SEMESTER – IV</b>							
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
		<b>Total</b>				<b>25</b>	<b>25</b>

*Vijaya Srinivas*  
CHAIRMAN



*Chairman*  
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Hyderabad - 500 007., (15)



**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) <b>Cost Accounting-(OR)</b> b) Financial Planning & Performance-(OR) c) International Financial Reporting-I	35	15	50	5 hrs	5
31.	DSE502	a) <b>Computerized Accounting-(OR)</b> *(35M + 15P = 50; 5 Credits)	35	15P*/151A	50	3T+4P*/ 5 hrs	5
		b) Financial Decision Making-I-(OR) (35M + 151A = 50; 5 Credits)					
		c) International Tax & Regulation (35M + 151A = 50; 5 Credits)					
32.	DSE503	a) <b>Tax Planning &amp; Management-(OR)</b> b) Advanced Corporate Accounting-(OR) c) Financial Management	35	15	50	5 hrs	5
<b>Total</b>						<b>25</b>	<b>25</b>

**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) <b>Cost Control and Management Accounting-(OR)</b> b) Financial control-(OR) c) International Financial Reporting-II	35	15	50	5 hrs	5
37.	DSE602	a) <b>Theory and Practice of GST-(OR)</b> *(35M + 15P = 50; 5 Credits)	35	15P*/151A	50	3T+4P/ 5 hrs	5
		b) Financial Decision Making-II -(OR) (35M + 151A = 50; 5 Credits)					
		c) International Auditing (35M + 151A = 50; 5 Credits)					
38.	DSE603	a) <b>International Tax &amp; Regulation-(OR)</b> b) Corporate Governance-(OR) c) Investment Management	35	15	50	5 hrs	5
<b>Total</b>						<b>25</b>	<b>25</b>
<b>GRAND TOTAL</b>						<b>150</b>	<b>150</b>

*Vijay Prasad*  
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*Amara*  
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**NOTE:**

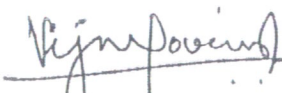
**ELS:** English Language Skill : Second Language Skill; **HUTA:** Hindi, Urdu, Telugu, Arabic bility  
**Enhancement compulsory course; SEC: Skill Enhancement Course; DSC: Discipline Specific Course;**  
**DSE: Discipline Specific Elective; GE: Generic Elective;**

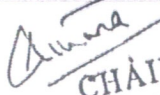
**THPW:** Teaching hours per week; **T: Theory; P: Practical** (Two practical classes are considered as One hour of classroom teaching); **I: Internal Assessment ; PR: Project Report; R: Record;**  
**VV: Viva-Voce Examination.**

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	24
2	Second Language	6	4	24
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
	<b>TOTAL</b>	<b>38</b>		<b>150</b>
	<b>Commerce Subjects</b>	<b>26</b>		<b>110</b>
<b>CREDITS UNDER NON-CGPA</b>		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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Osmania University  
Hyderabad - 500 007., (TS)



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)
<b>FIRST YEAR: SEMESTER-I</b> (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
		<b>Total</b>				<b>25</b>	<b>25</b>
<b>SEMESTER-II:</b>							
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
		<b>Total</b>				<b>25</b>	<b>25</b>
<b>SECOND YEAR : SEMESTER-III</b> (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
		<b>Total</b>				<b>25</b>	<b>25</b>
<b>SEMESTER - IV</b>							
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
		<b>Total</b>				<b>25</b>	<b>25</b>

*Vigneshwari*

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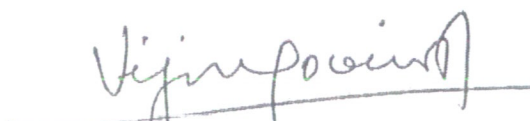


THIRD YEAR: SEMESTER-V: (2021-2022)


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) <b>Cost Accounting-(OR)</b> b) Financial Planning & Performance-(OR) c) International Financial Reporting-I	35	15	50	5 hrs	5
31.	DSE502	a) <b>Computerized Accounting-(OR)</b> *(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) <b>Fundamentals of E Commerce-(OR)</b> *(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
<b>Total</b>						<b>25</b>	<b>25</b>

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) <b>Cost Control and Management Accounting-(OR)</b> b) Financial control-(OR) c) International Financial Reporting-II	35	15	50	5hrs	5
37.	DSE602	a) <b>Theory and Practice of GST-(OR)</b> *(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) <b>Business Data Analytics .(OR)</b> *(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
<b>Total</b>			35	15	50	<b>25</b>	<b>25</b>
<b>GRAND TOTAL</b>						<b>150</b>	<b>150</b>

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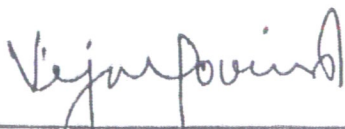
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**Note: \*If a student opts for 'a' in III semester, He/She has to opt for "a" in the following semester too (IV Semester)**


- 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

#### 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
	<b>TOTAL</b>	<b>38</b>		<b>150</b>
	Commerce Subjects	24		106
<b>CREDITS UNDER NON-CGPA</b>		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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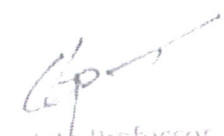
(An Autonomous Muslim Minority Institution, Affiliated to Osmania University) New  
Mallepally, Hyderabad-1

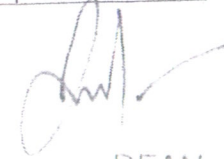
## DEPARTMENT OF COMPUTER SCIENCE

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

Class	Sem	Course/Paper	Code No	T	P	IA	Exam	Total	Credits
B.Sc. First Year (Batch-2021-22)	I	Paper -I (Theory) <b>Programming in C</b>	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) <b>Programming in C++</b>	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) <b>Data Structures</b>	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	6310A2	2			50	50	2
		Software Engineering							
	IV	Paper-IV (Theory) <b>DBMS</b>	6410	4		15	35	50	4
		Paper-IV (DBMS-LAB)	6410P		2		25	25	1
		SECC-III-PYTHON-II	A6410	2			50	50	2
		SECC-IV- Data Science	A6410	2		50	50	2	
B.Sc. Third Year (Batch-2019- 20)	V	Paper -V (Theory) <b>OPTIONALS:</b> 1) <b>Programming in JAVA</b> OR 2) <b>Operating System</b>	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 <b>OPTIONALS:</b> 1) <b>Web Technology</b> OR 2) <b>Computer Networks</b>	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  
Maulana Azad National Urdu University  
Gachibowli, Hyderabad-1 500 032





# 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>B. Sc. (CSE) I<sup>st</sup> Year, I – Semester (CBCS)</b>										
<b>Theory</b>										
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
<b>Practicals</b>										
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
<b>Total</b>				<b>28 Hrs</b>				<b>700</b>	<b>25</b>	
<b>B. Sc. (CSE) I<sup>st</sup> Year, II – Semester (CBCS)</b>										
<b>Theory</b>										
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
<b>Practicals</b>										
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
<b>Total</b>				<b>28 Hrs</b>				<b>700</b>	<b>25</b>	

AECC – Ability Enhancement Compulsory Course

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>B. Sc. (CSE) 2<sup>nd</sup> Year, III – Semester (CBCS)</b>										
<b>Theory</b>										
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
<b>Practicals</b>										
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
<b>Total</b>				<b>28 Hrs</b>				<b>375</b>	<b>25</b>	
<b>B. Sc. (CSE) 2<sup>nd</sup> Year, IV – Semester (CBCS)</b>										
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
<b>Practicals</b>										
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
<b>Total</b>				<b>28 Hrs</b>				<b>375</b>	<b>25</b>	

SECC – Skill Enhancement Compulsory Course

Head of the Department

*(Signature)*  
M.C. of CSE  
11/11/2021





# 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>B. Sc. (CSE) 3<sup>rd</sup> Year, V – Semester (Non CBCS)</b>										
<b>Theory</b>										
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
<b>Practicals</b>										
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
<b>Total</b>				32Hrs				600	28	
<b>B. Sc. (CSE) 3<sup>rd</sup> Year, VI – Semester (Non CBCS)</b>										
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
<b>Practicals</b>										
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
<b>Total</b>				32 Hrs				600	28	

GE-General Elective

Head of the Department

*(Signature)*

# B.A. (ECONOMICS) I<sup>ST</sup> 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
<b>SEMESTER - I</b>						
BA103	Micro-Economics	5Hours	5	20	80	100
<b>AECC-I</b>						
AECC-1	Environmental studies	2hours	2	--	50	50
<b>SEMESTER - II</b>						
BA203	Macro Economics	5hours	5	20	80	100
<b>AECC-II</b>						
IAECC-II	Basic computer skills	2hrs	2	--	50	50

  
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# B.A. (ECONOMICS) II year


SEMESTER – III & IV

(2021-2022)

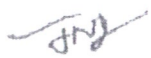
COURSE STRUCTURE

## CHOICE BASED CREDIT SYSTEM PATTERN

Code	Name Of The Paper	HPW	Credit	Scheme Of Examination		
				IA Marks	External Marks	Total marks
<b>SEMESTER -III</b>						
BA303	Statistics for Economics	5hrs	5	15	35	50
<b>SECC-I</b>						
SECC-I UG 301	Money and Banking	2hrs	2	--	50	50
<b>SECC-II</b>						
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
<b>SEMESTER -IV</b>						
BA403	Indian Economy	5hrs	5	15	35	50
<b>SECC-III</b>						
SECC-III UG 401	Industrial Economics	2hrs	2	--	50	50
<b>SECC-IV</b>						
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
<b>SEMESTER – V</b>						
BA503	Development Economics	5hrs	5	15	35	50
SECC-III	Industrial Economics	2hrs	2		50	50
<b>GENERAL ELECTIVE -I</b>						
GE-502	Rural Development	2hrs	2		50	50
<b>SEMESTER – VI</b>						
BA603	International economics	5hrs	5	15	35	50
SECC-IV	Entrepreneurship And Development	2hrs	2		50	50
<b>GENERAL ELECTIVE -II</b>						
GE-602	Financial Economics	2hrs	2		50	50

# ANWARUL ULOOM COLLEGE (AUTONOMOUS)

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

### 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

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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>avrb</i>	2	2	2	---	50	50	2hrs
SECC -II <i>avrb</i>	2	2	2	---	50	50	2hrs
<b>Total</b>	---	---	<b>25</b>	<b>75</b>	<b>325</b>	<b>400</b>	

### 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>avrb</i>	2	2	2	---	50	50	2hrs
SECC -IV <i>avrb</i>	2	2	2	---	50	50	2hrs
<b>Total</b>	---	---	<b>25</b>	<b>75</b>	<b>325</b>	<b>400</b>	

# 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
<b>Total</b>	---	---	<b>25</b>	<b>75</b>	<b>325</b>	<b>400</b>	

### 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
<b>Total</b>	---	---	<b>25</b>	<b>75</b>	<b>325</b>	<b>400</b>	

DEPARTMENT OF ELECTRONICS, ANWARUL ULOOM COLLEGE

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

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



# ANWAR UL ULOOM COLLEGE

(An Autonomous Muslim Minority Institution)

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(Affiliated to Osmania University)

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
		<b>Circuit Analysis</b> Paper - I (CA-LAB)	6112P	3hrs	1
		<b>AECC-I</b> <b>Environmental Studies</b>	A6112	2hrs	2
	II	Paper - II (Theory)	6212	4hrs	4
		<b>Electronic Devices</b> Paper -II (ED-LAB)	6212P	3hrs	1
		<b>AECC-II</b> <b>Basic Computer Skills</b>	A6212	2hrs	2
2nd Year	III	Paper -III (Theory)			
		<b>Power Supplies &amp; Analog Circuits</b> Paper -III(PS & AC-LAB)	6312	4hrs	4
		<b>(SECC-I)</b> Digital Signal Processing	6312P	2hrs	1
		<b>(SECC-II)</b> Modern communication System	A6312	2hrs	2
			16412	2hrs	2

ANWARUL ULOOM COLLEGE, DEPARTMENT OF ELECTRONICS

**CHAIRMAN**  
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T.S.

*Mahomed*  
Head of Dept. of Electron  
Anwar-ul-Uloom College, Malle  
Hyderabad.

 <b>ANWARUL ULOOM COLLEGE</b> DEPARTMENT OF ELECTRONICS COURSE DETAIL		Code No.	Teaching Hours Per week	No of Credits	
Semester	Course/Paper				
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	
3rd Year	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 Cellular communication	I6612	2hrs	2	
GE -II Information technology -II	G6613	2hrs	2		

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ANWARUL ULOOM COLLEGE. DEPARTMENT OF ELECTRONICS

gnschamee  
Head of the Dept of Electronics  
Anwar-ul-uloom College, Mallepally  
Hyderabad.



ANWARUL ULOOM COLLEGE (Autonomous)

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Syllabus (CBCS), Department of Electronics

B.Sc. 1<sup>st</sup> Year(2021-2022)

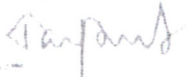


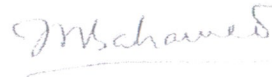
Semester - I | Total Credit = 7

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.

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

  
**Head of the Dept. of Electronics**  
Anwar-ul uloom college, Maltepal  
Hyderabad.

DEPARTMENT OF ELECTRONICS, ANWARUL ULOOM COLLEGE

**ANWARUL ULOOM COLLEGE (Autonomous)**

(Affiliated to Osmania University)

Syllabus (CBCS), Department of Electronics

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



		Semester - III		Total Credit = 9				
Paper	Title	Units	HPW	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	HPW	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.

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

DEPARTMENT OF ELECTRONICS, ANWARUL ULOOM COLLEGE  
Head of the Dept. of Electronics,  
Anwar-ul-uloom College, Mallepalli  
Hyderabad.



**ANWARUL ULOOM COLLEGE (Autonomous)**

(Affiliated to Osmania University)

Syllabus (CBCS), Department of Electronics

B.Sc. 3<sup>rd</sup> 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 - I	4	4	4	15	35	50	2 hrs.
Paper - V (Lab)	Digital Electronics - I	---	2	1	---	25	25	2 hrs.
SECC - III	Data Communications and Computer Network	2	2	2	---	50	50	2 hrs.
GE-I	Information Technology - I	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.

*[Signature]*  
**CHAIRMAN**  
 Board of Studies in Electronics  
 Osmania University  
 Hyderabad - 500007

*[Signature]*  
 Head of the Dept. of Electronics,  
 Anwarul Uloom College, Matipally  
 Hyderabad.

**DEPARTMENT OF ELECTRONICS, ANWARUL ULOOM COLLEGE**

# ANWARUL ULDOOM 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

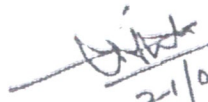
## Course Structure

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.

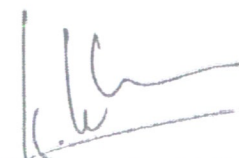
2021-22

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)

(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. 1<sup>st</sup> 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 <sup>st</sup> 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 <sup>st</sup> 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

19/08/2021  
Head

Dept. of History  
ANWARUL ULOOM COLLEGE  
NEW MALLE PALLY,  
HYDRABAD-500001, T.S.

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# ANWARUL ULOOM COLLEGE (Autonomous)

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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. 2<sup>nd</sup> 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 <sup>nd</sup> 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 <sup>nd</sup> 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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HYDERABAD, 500001, T.S.

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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. 3<sup>rd</sup> Year  
( 2021 – 22 )

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

( Approved Syllabus for the Academic Year 2021 – 22 )

1	3 <sup>rd</sup> 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 <sup>rd</sup> 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

Head

Dept. of History

ANWARUL ULOOM COLLEGE  
NEW MALLE PALLY,  
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**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		
							IA	Sem	Total
	1 <sup>st</sup> YEAR	I	6114 T Differential And Integral Calculus	5	5	5	20	80	100
			(AECC -I) Environmental Science	2	2	2	-	50	50
	1 <sup>st</sup> YEAR	II	6214 T Differential Equations	5	5	5	20	80	100
			(AECC-II) Basic Computer Skills	2	2	2	-	50	50
	2 <sup>nd</sup> 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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	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 <sup>rd</sup> 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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			• Basic Mathematics						
			GE-II Number System	2	2	2	-	50	50

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 Head  
 Department of Mathematics  
 Osmania University  
 Hyderabad-500 007.



Anwarul Uloom College (Autonomous)  
 New Malleshpally, Hyderabad  
 Affiliated to Osmania University  
 (Re-Accredited with NAAC 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	EXTERNAL	TOTAL	DURATION
DSC	GENERAL MICROBIOLOGY - I	4	4	4	20	80	100	3 HRS
DSC	PRACTICAL	-	3	1	-	-	50	-
AECC - I	EYS	2	2	2	-	-	50	2 HRS

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

III-SEM	CORE SUBJECT	UNITS	HOURS	CREDITS	INTERNAL	EXTERNAL	TOTAL	DURATION
ESC	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	EXTERNAL	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	3 HRS

*[Signature]*

*[Signature]*  
**DR. A. MADHURI**  
 Head, Department of Microbiology  
 Government Degree College for Women (A)  
 Begumpet, Hyderabad - 500016

*[Signature]*  
**LECTURER**  
 Dept. of Microbiology  
 Bhavan's New Science College,  
 Balaranguda, Hyderabad - 50

*[Signature]*  
 Head  
 Department of Microbiology  
 Osmania University  
 Hyderabad - 500007

*[Signature]*



V SEM	CORE SUBJECT	UNITS	HOURS	CREDITS	INTERNAL	EXTERNAL	TOTAL	DURATION
DSC	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	-
SEC-III	MUSHROOM CULTIVATION	2	2	2	-	-	50	2 HRS
GE-1	HEMATOLOGY	2	2	2	-	-	50	2 HRS

V SEM	CORE SUBJECT	UNITS	HOURS	CREDITS	INTERNAL	EXTERNAL	TOTAL	DURATION
DSC	2 A) INDUSTRIAL MICROBIOLOGY - VI OR 2 B) PHARMACEUTICAL MICROBIOLOGY - VI	4	4	4	15	35	50	2 HRS
DSEP	PRACTICAL	-	2	1	-	-	25	-
ABCC-IV	HOSPITAL MANAGEMENT	2	2	2	-	-	50	2 HRS
PROB-CT/	APPLIED METHODOLOGY	3	3	3	15	35	50	2 HRS
	PRACTICAL	-	2	1	-	-	25	-
GE-2	Soil Microbiology	2	2	2	-	-	50	2 HRS

- CG - CORE COURSE
- ABCC - ABILITY ENHANCEMENT COURSE
- DSC - DISCIPLINE SPECIFIC COURSE
- SEC - SKILL ENHANCEMENT COURSE
- DSEP - DISCIPLINE SPECIFIC ELECTIVE
- GE - GENERAL ELECTIVE
- HPW - HOURS PER WEEK
- P - PRACTICAL
- T - THEORY

Head of Department  
 Department of Microbiology  
 Government College of Pharmacy  
 Andhra University  
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Dr. A. MADHURU  
 Head, Department of Microbiology  
 Government College of Pharmacy  
 B. pumpet, Hyderabad - 500 017

HEAD  
 Department of Microbiology  
 Osmania University  
 Hyderabad-500 007

Department of Microbiology  
 Government College of Pharmacy  
 (Autonomous)  
 B. pumpet, Hyderabad - 500 017



**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. (N.Z.C)

Course Structure (2021-2022)

S.N O.	YEA R	SE M.	PAPER/TITLE	Teaching hours/ week	Units	Credits	Marks		
							Internal Assessment	End Semester	Total
1	1 <sup>st</sup> Year 21-22	I	Introduction to Foods & Nutrition	4	4	4	20	80	100
2			Introduction to Foods & Nutrition (Practical's)	2	-	1	-	25	25
3			Environmental Science (AECC-I)	2	-	2	-	50	50
4	1 <sup>st</sup> Year 21-22	II	Nutritional Biochemistry and Human Physiology	4	4	4	20	80	100
5			Nutritional Biochemistry and Human Physiology (Practical)	2	-	1	-	50	50
6			Basic Computer Skills (AECC-II)	2	-	2	-	50	50
7	2 <sup>nd</sup> Year 20-21	III	Normal Therapeutic Nutrition-Theory	4	4	4	20	80	100
8			Normal And Therapeutic Nutrition-Practical	2	-	1	-	50	50
9			Food Service Management (SECC-I)	2	2	2	-	50	50
			Bakery Science (SECC-II)	2	2	2		50	50
10	2 <sup>nd</sup> Year 20-21	IV	Diet In Disease-Theory	4	4	4	20	80	100
11			Diet In Disease - Practical	2	-	1	-	50	50
12			Diet Counseling Skills- (SECC-III)	2	-	2	-	50	50
			Strategies For Weight Management (SECCIV)	2	-	2	-	50	50
13	3 <sup>rd</sup> Year	V	Diet Therapy V A-Theory	4	4	4	15	35	50

*Anusha P*  
DEPT. OF FOOD & NUTRITION  
UCW, Hyderabad

HEAD  
Department of Microbiology  
Osmania University, Hyderabad

*Muna K*

SUJATHA STEPHEN R.D  
HOD NUTRITION DEPT.  
YASHODA HOSPITALS  
Malakpet, Hyderabad-500036.

*Raheem*

14	19-20		Diet Therapy V A-Practical (OR)	2	-	1	-	50	50
17			Patient Counseling Skills (SECC-III)	2	-	2	-	50	50
18			Fundamentals Of Food & Nutrition- (GE- I)	-	-	2	-	50	50
19	3 <sup>rd</sup> Year 19-20	VI	Diet Therapy- II-VI- A- Theory	4	4	4	15	35	50
20			Diet Therapy- II-VI- A- Practical (OR)	2	-	1	-	50	50
23			Malnutrition & Assessment of Nutritional Status – (SECC-IV)	2	-	2	-	50	50
25			Food Commodities (GEC-II)	2	-	2	-	50	50

Ashesh

DEPT. OF  
NUTRITION

Meena.K

Head of the  
Department  
S. J. S. Hospital  
Malakpet, Hyderabad

[Signature]

HEAD  
Department of Nutrition  
Gemanta Hospitals  
Hyderabad

[Signature]  
SUJATHA STEPHEN R.D.  
HOD NUTRITION DEPT.  
YASHODA HOSPITALS  
Malakpet, Hyderabad-500036.

[Signature]

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Raheem



ANWARUL ULOOM COLLEGE (Autonomous)

(Affiliated to Osmania University)

Department of Physics

B.Sc. 1<sup>st</sup> Year (2021-2022)

Syllabus (CBCS)



Paper	Title	Semester - I		Total Credit = 7				
		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

Paper	Title	Semester - II		Total Credit = 7				
		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

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

ANWARUL ULOOM COLLEGE, DEPARTMENT OF PHYSICS

ANWARUL ULOOM COLLEGE (Autonomous)

(Affiliated to Osmania University)

Department of Physics

B.Sc. 2<sup>nd</sup> 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

*Khateegachari* 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. 3<sup>rd</sup> 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 BOS*

ANWARUL ULOOM COLLEGE, DEPARTMENT OF PHYSICS

Chairman BOS, Dept. of Physics

ANWAR-UL-ULOOM COLLEGE

Mallapally, Hyderabad-500 001.

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 AECC-I	6118P	2 hours	1
	Environmental Science		2 hours	2
II 2021-22	Paper – II (Theory) Thermal Physics	6218	4 hours	4
	Paper – III Thermal Physics Lab AECC-II	6218P	2 hours	1
	Basic Computer Skills		2 hours	2
III 2020-21	Paper – III (Theory) Electromagnetic Theory	6318	4 hours	4
	Paper – III Electromagnetic Theory Lab SECC-I	6318P	2 hours	1
	Solar Energy and its Collectors SECC-II		2 hours	2
	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 SECC-III	6418P	2 hours	1
	Solar Energy SECC-IV		2 hours	2
	Chemical Energy		2 hours	2
V 2019-20	Paper – V (Elective) A: Modern Physics (Theory) ** Elective - I A: Modern Physics (Lab) (OR) B: Computational Physics (Theory) ** Elective - II B: Computational Physics (Lab) SECC-III	6518A 6518A P	4 hours 2 hours	4 1
	Solar Energy GE-I	6518B	4 hours	4
	Mechanical Energy	6518BP	2 hours	1
			2 hours	2
			2 hours	2
			2 hours	2
VI 2019-20	Paper – VI (Elective) A: Electronics (Theory) ** Elective - I A: Electronics (Lab) (OR) B: Applied Optics ** Elective - II B: Applied Optics (Lab) SECC-IV	6618A 6618P	4 hours 2 hours	4 1
	Chemical Energy GE-II	6618B 6618BP	4 hours 2 hours	4 1
	Geothermal Energy		2 hours	2
			2 hours	2

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-500001 T.S, India



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~~ 2021-22

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

*Yasmin*  
29/6/2021  
Dr. YASMIN  
Assistant Professor  
Department of Political Science  
Osmania University Hyderabad.

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BOARD OF STUDIES  
FACULTY OF SOCIAL SCIENCES  
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NEW MALLEPALLY, HYDERABAD-500001, T.S.

**ANWARUL ULOOM COLLEGE (AUTONOMOUS)**  
(An Autonomous Muslim Minority Institution)

New Mallepally, Hyderabad-500001 T.S , India



Faculty of Social Sciences  
B.A (EPP) & (IIPML)- 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
<b>SEMESTER – III</b>					
1119	Indian Political Thought	5 Hours	5	15	35
<b>SECC- I – SECC – II PAPER FOR SEMESTER - III</b>					
A1119	Emancipation of women	2 Hours	2		50
11219	Caste System in India	2 Hours	2		50
<b>SEMESTER – IV</b>					
1219	Constitution and Politics of India	5 Hours	5	15	35
<b>SECC-III – SECC – IV PAPER FOR SEMESTER – IV</b>					
11219	Indian Freedom Movement	2 Hours	2		50
	India Constitution	2 Hours	2		50

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

*Yasmin*  
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 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

*Sadiq*  
HEAD & CHAIRMAN  
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DEPT. OF POLITICAL SCIENCE  
ANWARUL ULOOM COLLEGE (AUTONOMOUS)  
HYDERABAD.

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



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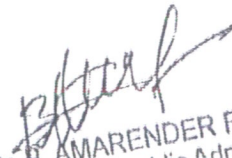
New Mallepally, Hyderabad-500001 T.S, India

2021-22

**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
<b>Semester-I</b>				
Basics of Public Administration-I	5 Hours	5	20	80
<b>AECC-I Semester-I</b>				
Environmental Studies	2 Hours	2	----	50
<b>Semester-II</b>				
Principles and Emerging Trends	5 Hours	5	20	80
<b>AECC-II Semester-II</b>				
Basic Computer Skills	2 Hours	2	----	50

4146  
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HYDRABAD

  
**Dr. B. AMARENDER REDDY**  
Department of Public Administration  
Osmania University, Hyderabad





**ANWARUL ULOOM COLLEGE (AUTONOMOUS)**

(An Autonomous Muslim Minority Institution)

New Mallepally, Hyderabad-500001 T.S, India

**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
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**SECC-I and SECC-II**

**Semester-III**

Local Self Government	2 Hours	2	----	50
Public relations	2 Hours	2	----	50

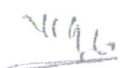
**Semester-IV**

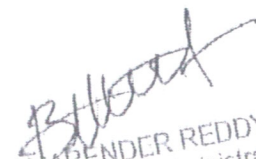
Indian Administration- State Government	5 Hours	5	15	35
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**SECC-III and SECC-IV**

**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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HYDERABAD.

  
**Dr. B. AMARENDRER REDDY**  
Department of Public Administration  
Osmania University, Hyderabad.



**ANWARUL ULOOM COLLEGE (AUTONOMOUS)**

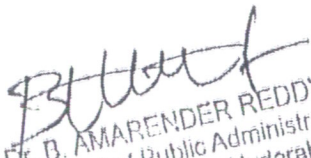
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New Mallepally, Hyderabad-500001 T.S, India

**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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HYDERABAD.

  
**Dr. B. AMARENDER REDDY**  
Department of Public Administration  
Osmania University, Hyderabad



# 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 (IPML) (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 <sup>st</sup> Year	I	Zauq-e-Adab Part 1(A)	5	5	5	20	80	100
2	1 <sup>st</sup> Year	I	Environmental Studies AECC-I	2	2	2	-	50	50
3	1 <sup>st</sup> Year	II	Zauq-e-Adab Part 1(B)	5	5	5	20	80	100
4	1 <sup>st</sup> year	II	Basic Computer Skills (AECC-II)	2	2	2	-	50	50
5	2 <sup>nd</sup> year	III	Zauq-e-Adab Part II(A) SECC I	5	5	5	15	35	50
6	2 <sup>nd</sup> year	III	Urdu Sahafat SECC II	2	2	2	-	50	50
7	2 <sup>nd</sup> Year	IV	Zauq-e-Adab part II B SECC III	5	5	5	15	35	50
8	2 <sup>nd</sup> Year	IV	Urdu Sahafat SEC IV	2	2	2	-	50	50
9	3 <sup>rd</sup> year	V	Electives –V A) Adab ka Mutala Or B) Tareeq-e-Adab Urdu	5	5	5	15	35	50
10	3 <sup>rd</sup> year	V	Introduction to Poet (SECC III Course)	2	2	1	15	35	25
11	3 <sup>rd</sup> Year	V	Calligraphy (GE-I Course)						
12	3 <sup>rd</sup> Year	VI	Electives A) Ghalib-0-Iqbal (Ghazlen/Nazmen) or	5	5	5	15	35	50
13	3 <sup>rd</sup> Y	VI	B ) Ghalib-0-Iqbal (Ghazlen/ Nazmen)	5	5	5	15	35	50
14	3 <sup>rd</sup> Year	VI	Qirat Couse (SECC IV)	2	2	1	15	35	25

**HEAD**  
DEPARTMENT OF URDU  
ANWARUL ULOOM COLLEGE FOR WOMEN  
AUTONOMOUS

Faculty of Arts /Science /Social Science  
Department of Urdu (Modern Language)  
University of Hyderabad  
Gachibowli, Hyderabad-50

# ANWARUL ULOOM COLLEGE (Autonomous)


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

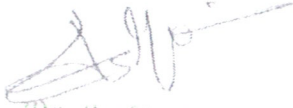


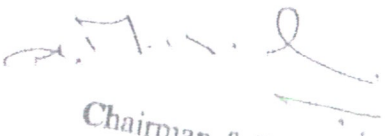
## Faculty of Arts Department of Urdu ( 2021-22 )

Subjects: Second Language Urdu

S.NO	Name of the Paper	Paper	HPW	Units	Credits	Internal	External	Total
1	I <sup>st</sup> 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 Postgraduate  
University of Hyderabad  
Gachhi Bowli, Hyderabad-50.

  
Chairman & Head  
Dept. of Urdu  
Anwarul-Uloom College (Autonomous)  
New Malleshpally, Hyderabad-500001, A.P.



# 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 1<sup>st</sup> & 2<sup>nd</sup> Year (CBCS)

Approved Syllabus for the Academic Year 2021-22

Course Structure (2021-22)




## Marks

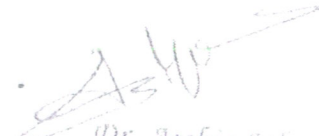
S.No	Year	Sem	Paper/Title	Teaching Hours W	Units	Credits	Internal Assmnt	End Sem	Total
1	1 <sup>st</sup> Year	I	Mutala-e-Adab part-I (Urdu Second Language)	4	4	4	20	80	100
2	1 <sup>st</sup> Year	I	Environmental Science (AECC-I)	2	2	2	-	50	50
3	1 <sup>st</sup> Year	II	Mutala-e-Adab Part -1 (Urdu Second Language)	4	4	4	15	80	100
4	1 <sup>st</sup> year	II	Basic Computer Skills (AECC-II)	2	2	2	-	50	50
5	2 <sup>nd</sup> year	III	Muala-e-Adab Part-II (Urdu Second Language)	3	3	3	15	35	50
6	2 <sup>nd</sup> Year	III	Urdu Sahafat-SECC-I SEC-II						
7	2 <sup>nd</sup> year	IV	Zauq-e-Adab Part II B	3	3	3	15	35	50
8	2 <sup>nd</sup> 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 Boudi, Hyderabad-46.

  
Chairman & Head  
Faculty of Urdu  
Approved by the Council of Osmania University  
New Campus, Hyderabad 500007



# 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	1st 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	1st 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	2nd 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	2nd 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 <sup>rd</sup> 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 <sup>rd</sup> 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)  
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
<b>THEORY</b>							
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
<b>PRACTICALS</b>							
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
		<b>SEMINAR</b>	1	1		25	25
		<b>Total</b>	2.5 2.5	34	80	570	6.15

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

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**HEAD**  
Department of Biotechnology  
ANWAR-UL-ULOOM COLLEGE  
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
<b>THEORY</b>							
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
<b>PRACTICALS</b>							
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
		<b>SEMINAR</b>	1	1		25	25
		<b>Total</b>	25	34	80	570	625

T- Theory, P-Practical

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

*[Handwritten signature]*  
**HEAD**  
Department of Biotechnology  
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Mallepally, Hyderabad-500 001.

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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
<b>THEORY</b>							
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
<b>PRACTICALS</b>							
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
		<b>Total</b>	<b>26</b>	<b>34</b>	<b>80</b>	<b>570</b>	<b>650</b>

*[Signature]*  
**HEAD**  
Department of Biotechnology  
ANWAR-UL-ULOOM COLLEGE  
Mallepally, Hyderabad-500 091.

*[Signature]*  
**Dr. B. Surekha Rani**  
Assistant Professor  
Chairperson - BOS in Genetics  
Department of Genetics  
Osmania University, Hyderabad-07

*[Signature]*

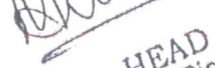


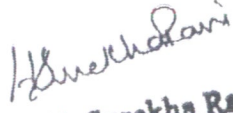
ANWARUL ULOOM COLLEGE  
(AUTONOMOUS)  
M.Sc. BIOTECHNOLOGY SYLLABUS (2021 – 2022)  
CHOICE BASED CREDIT SYSTEM (CBCS)

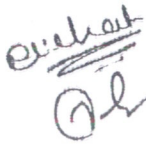
SEMESTER – IV

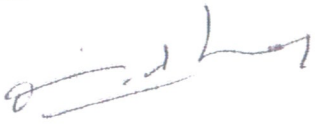
S No	Syllabus Ref No	Subject	Credits	Teaching Hours	Marks		
					Internal Assessment	Semester Exam	Total
<b>THEORY</b>							
1.	BT 401 T	Bioprocess Engineering	4	4	20	80	100
2.	BT 402 T	Medical Biotechnology	4	4	20	80	100
3.	BT 403 T	Elective: A. Environmental Biotechnology B. Biopharmacology	4	4	20	80	100
4.	BT 404 T	Project Work	6				150
<b>PRACTICALS</b>							
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
	IDE	Food biotechnology	2	2		50	50
		<b>Total</b>	<b>26</b>	<b>26</b>	<b>60</b>	<b>440</b>	<b>650</b>
		<b>Grandtotal</b>					<b>2600</b>

T- Theory, P-Practical

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

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





**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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## 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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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		

*Plaks*

*Sharma*

*Sharma*

*S. Prasad*

*Das*

*Chaitanya*

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*Sharma*

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HYDERABAD-500 007.

*Sharma*



SEMESTER - IV

2021-22

Subject Code	Subject / Paper	Theory / Practical	Instruction Hrs /Week	Credits	Evaluation		Duration of External Examination
					Th./ Pr.	Internal	
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

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 CHAIRPERSON  
 B.O.B. IN BOTANY  
 OSMANIA UNIVERSITY  
 HYDERABAD-500 007.

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 BOS IN BOTANY

*Handwritten initials*





Anwarul Uloom College (Autonomous)  
New Malloppally, Hyderabad  
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**Department of Chemistry**

**M. So. (Chemistry) First Year**

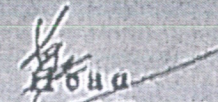
**Paper Titles & Marks Details  
(2021 - 22)**

**(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.			
<b>M. So. I<sup>st</sup> Year, I - Semester (CBCS)</b>										
1	I	611 T	Inorganic Chemistry Theory	4 Hrs	20	80	32	100	4	3 Hrs
		611 P	Inorganic Chemistry Practical	6 Hrs	—	60	25	75	3	3 Hrs
2	II	612 T	Organic Chemistry Theory	4 Hrs	20	80	32	100	4	3 Hrs
		612 P	Organic Chemistry Practical	6 Hrs	—	60	25	75	3	3 Hrs
3	III	613 T	Physical Chemistry Theory	4 Hrs	20	80	32	100	4	3 Hrs
		613 P	Physical Chemistry Practical	6 Hrs	—	60	25	75	3	3 Hrs
4	IV	614 T	Analytical Techniques & Spectroscopy - I Theory	4 Hrs	20	80	32	100	4	3 Hrs
5					—		—			
			<b>Total</b>	<b>34 Hrs</b>				<b>625</b>	<b>25</b>	
<b>M. So. I<sup>st</sup> Year, II - Semester (CBCS)</b>										
1	I	621 T	Inorganic Chemistry Theory	4 Hrs	20	80	32	100	4	3 Hrs
		621 P	Inorganic Chemistry Practical	6 Hrs	—	60	25	75	3	3 Hrs
2	II	622 T	Organic Chemistry Theory	4 Hrs	20	80	32	100	4	3 Hrs
		622 P	Organic Chemistry Practical	6 Hrs	—	60	25	75	3	3 Hrs
3	III	623 T	Physical Chemistry Theory	4 Hrs	20	80	32	100	4	3 Hrs
		623 P	Physical Chemistry Practical	6 Hrs	—	60	25	75	3	3 Hrs
4	IV	624 T	Analytical Techniques & Spectroscopy - II Theory	4 Hrs	20	80	32	100	4	3 Hrs
5					—		—			
			<b>Total</b>	<b>34 Hrs</b>				<b>625</b>	<b>25</b>	

**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.

  
Department of Chemistry  
Osmania University  
HYDERABAD-500 001





# Anwarul Uloom College (Autonomous)

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## Department of Chemistry

### M. So. (Chemistry) Final Year

#### Paper Titles & Marks Details

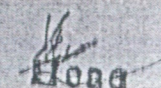
(2021 - 22)

(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.			
<b>M. So. 2<sup>nd</sup> Year, III - Semester (CBCS)</b>										
1	I	531 T	Synthetic Reagents, <del>Advanced</del> <sup>NMR</sup> 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	—	60	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	—
			<b>Total</b>	32 Hrs				575	25	
<b>M. So. 2<sup>nd</sup> Year, IV - Semester (CBCS)</b>										
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
			<b>Total</b>	24 Hrs				675	27	

Head of the Department

Total Credits: 100 & Total Marks: 2,600

  
Department of Chemistry  
Osmania University  
HYDERABAD, INDIA

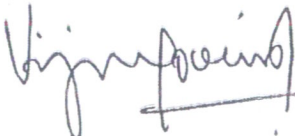



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CBCS COURSE STRUCTURE

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
<b>Total</b>			<b>27</b>	<b>23</b>		<b>75</b>	<b>25</b>	<b>425</b>	<b>525</b>

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
<b>Total</b>			<b>27</b>	<b>23</b>		<b>75</b>	<b>25</b>	<b>425</b>	<b>525</b>

  
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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 (T.S.)



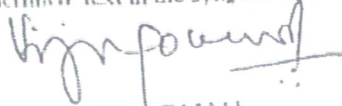
SECOND YEAR THIRD SEMESTER									
Sl. No.	Code	Title of the Paper	THPW	Credits	DESE	Marks			
						IA	A	ESE	Total
11	Com: 11 Core - I	Research Methodology & Statistical Analysis	5	4	3 Hrs	15	5	80	100
12	Com: 12 Core - II	E-Commerce	5 (4T+2P)	4	3 Hrs	-	40 LPE	60	100
13	Com: 13 Core - III	Cost Accounting 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
		<b>Total</b>	<b>31</b>	<b>27</b>	<b>-</b>	<b>60</b>	<b>60</b>	<b>405</b>	<b>525</b>


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-I:	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
		<b>Total</b>	<b>35</b>	<b>27</b>	<b>-</b>	<b>75</b>	<b>25</b>	<b>525</b>	<b>625</b>
		<b>GRAND TOTAL</b>	<b>120</b>	<b>100</b>	<b>-</b>	<b>285</b>	<b>135</b>	<b>1980</b>	<b>2200</b>

\*25=15W+10PR

Inter Disciplinary (ID) Paper in Third Semester is offered to the Non-Commerce PG Students. THWP= 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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Osmania University  
Hyderabad - 500 007., (TS)

# ANWARUL ULOOM COLLEGE

## (AUTONOMOUS)

2021-22

(A Minority Institution Affiliated to Osmania University, Hyderabad)

Accredited by NAAC with 'A' Grade

### 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			
<b>M. A. English 1<sup>st</sup> Year, I - Semester (CBCS)</b>										
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
<b>Total</b>				25Hrs				550	26	
<b>M. A. English 1<sup>st</sup> Year, II - Semester (CBCS)</b>										
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
<b>Total</b>				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**  
 Head Department of English  
 Anwar Uloom Degree College For Women  
 Mallepally, Hyderabad-T.S.



# ANWARUL ULOOM COLLEGE (AUTONOMOUS)

A Minority Institution Affiliated to Osmania University, Hyderabad)  
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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			
<b>M. A. English 2<sup>nd</sup> Year, III-Semester (CBCS)</b>										
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
<b>Total</b>				<b>25 Hrs</b>				<b>550</b>	<b>26</b>	
<b>M. A. English 2<sup>nd</sup> Year, IV-Semester (CBCS)</b>										
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
<b>Total</b>				<b>25Hrs</b>				<b>550</b>	<b>26</b>	

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].

**Capt. Dr. Kausar Begum Khan**

*Head Department of English*

Anwar Uloom Degree College For Women

Mallepally, Hyderabad-T S.



## 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 (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.			
<b>M. A. I<sup>st</sup> Year, I – Semester (CBCS)</b>										
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)							
<b>Total</b>				<b>25 Hrs</b>				<b>500</b>	<b>25</b>	<b>15 Hrs</b>
<b>M. A. I<sup>st</sup> Year, II – Semester (CBCS)</b>										
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)							
<b>Total</b>				<b>25 Hrs</b>				<b>500</b>	<b>25</b>	<b>15 Hrs</b>

Govt. Degree College for Women  
Begumpet, Hyderabad

Dr. G. ANJANA  
Associate Professor  
Department of History  
ANWARUL ULOOM COLLEGE  
NEW MALLE PALLY,  
HYDERABAD-500001, T.S.

Head of the Department  
Dept. of History

ANWARUL ULOOM COLLEGE  
NEW MALLE PALLY,  
HYDERABAD-500001, T.S.





# 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 (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.			
<b>M. A. 2<sup>nd</sup> Year, III – Semester (CBCS)</b>										
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	50	2	2 Hrs
			<b>Total</b>	29 Hrs				550	27	
<b>M. A. 2<sup>nd</sup> Year, IV – Semester (CBCS)</b>										
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 <sup>th</sup> & 20 <sup>th</sup> 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
			<b>Total</b>	27 Hrs				550	27	

Total Credits: 100 & Total Marks: 2,000

Govt. Degree College for Women  
Department of History

**D. G. ANIAIAH** Head of the Department  
Associate Professor  
Department of History  
University College of Arts & S. ANWARUL ULOOM COLLEGE  
NEW MALLE PALLY,  
HYDERABAD-500001, T.S.

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## ANWARUL- ULOOM COLLEGE (AUTONOMOUS)

New Mallepally, Hyderabad

DEPARTMENT OF MATHEMATICS

(Choice Based Credit System)

M.Sc APPLIED MATHEMATICS

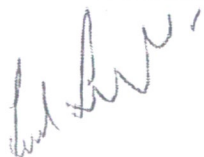
Semester- I

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	Basic 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	Basic Mathematics	31		550	26

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ANWARUL ULOOM COLLEGE, MALLEPALLY, HYDERABAD

M.Sc., PHYSICS PREVIOUS YEAR

(For the batch admitted in 1<sup>st</sup> 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
<b>Theory:</b>					
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
<b>Practical:</b>					
05	P 105	Heat and Acoustics	6	4	100
06	P 106	Optics	6	4	100
		<b>Total</b>	<b>28</b>	<b>24</b>	<b>600</b>
<b>Seminar:</b>					
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, DEPARTMENT OF PHYSICS



# Anwarul Uloom College (Autonomous)

New Malleshpally, Hyderabad  
 Affiliated to Osmania University  
 (Re-Accredited with NAAC 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
<b>THEORY</b>						
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
<b>PRACTICALS</b>						
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

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Head of Department  
 Department of Microbiology  
 Anwarul Uloom College  
 New Malleshpally, Hyderabad - 500024

Department of Microbiology  
 Anwarul Uloom College  
 New Malleshpally, Hyderabad - 500024

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 10/10/21



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 P.G. Dept. of Microbiology  
 MUNTAAZ COLLEGE  
 Hyderabad



SEMESTER - II

Syllabus Ref No	Subject	Credits	Teaching Hours	Marks		
				Internal Assessment	Semester Exam	Total
<b>THEORY</b>						
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
<b>PRACTICALS</b>						
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
	<b>Total</b>	<b>24</b>	<b>32</b>	<b>80</b>	<b>520</b>	<b>600</b>

Head  
Department of Microbiology  
MUMTAZ COLLEGE  
WALAHURA, HYDRABAD-500018

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Department of Microbiology  
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HEAD  
P.G. Dept. of Microbiology  
MUMTAZ COLLEGE  
WALAHURA, HYDRABAD-500018



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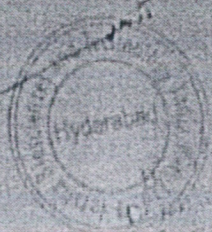
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SEMESTER - III						
Syllabus Ref No	Subject	Credits	Teaching Hours	Marks		
				Internal Assessment	Semester Exam	Total
<b>THEORY</b>						
MB 301	Food Microbial Technology (Core)	4	4	20	80	100
MB 302	Medical Bacteriology (Core)	4	4	20	80	100
MB 303	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
<b>PRACTICALS</b>						
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
	<b>Total</b>	<b>24</b>	<b>32</b>	<b>80</b>	<b>520</b>	<b>600</b>

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 Head of Microbiology  
 Muntaz College  
 Hyderabad, Hyd-78

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 HEAD

H.G. Dept. of Microbiology  
 MUNTAZ COLLEGE  
 HYDERABAD

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**SEMESTER - IV**

Syllabus Ref No	Subject	Credits	Teaching Hours	Marks		
				Internal Assessment	Semester Exam	Total
<b>THEORY</b>						
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
<b>PRACTICALS</b>						
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
<b>Total</b>		<b>24</b>	<b>32</b>	<b>80</b>	<b>520</b>	<b>600</b>
<b>GRAND TOTAL</b>		<b>96</b>	<b>128</b>	<b>320</b>	<b>2080</b>	<b>2400</b>

*Head*  
Dept. of Microbiology  
Amrita Vishwa Vidyapeeth  
Chennai



Department  
Microbiology  
College for Women  
Begunur, Hyd-78.

*[Signature]*  
HEAD  
Dept. of Microbiology  
MTAZ COLLEGE  
Begunur, Hyd-78

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10/11/21

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12/11/21  
Department of Microbiology  
St. Francis College for Women  
Begunur, Hyderabad

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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
<b>Theory</b>					
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)
	seminar	1	-	1	25
<b>Practical</b>					
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
	<b>Total</b>	<b>16 T + 16P</b>		<b>25</b>	<b>625 ( T+P)</b>

**SECOND SEMESTER**

Paper No.	Title	Instructions Hrs/ Week	Duration of Examination	Credits	Maximum Marks
<b>Theory</b>					
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)	Research Methodology	4	3	4	100 (80+20)
ND 204 T (CORE)	Diet in Disease	4	3	4	100 (80+20)
	seminar	1	-	1	25
<b>Practical</b>					
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
	<b>Total</b>	<b>16 T + 16P</b>		<b>25</b>	<b>625 ( T+P)</b>

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

Mema-11  
 Head of the Dept.  
 Department of Nutrition  
 St. Ann's College for Women  
 Hyderabad-500 007.

Arshika  
 SUJATHA STEPHEN R.  
 HOD NUTRITION DEPT.  
 YASHODA HOSPITALS

### THIRD SEMESTER

Paper No.	Title	Instructi ons Hrs/ Week	Duration of Examination	Credits	Maximum Marks
<b>Theory</b>					
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	4	3	4	100 (80+20)
	ii) Institutional Food Management				
ND 304 T (Inter- disciplinary ELECTIVE)	Food Hygiene and sanitation	4	3	4	100 (80+20)
<b>Practical</b>					
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	4	2	2	50
	ii) Institutional Food Management				
ND 308 P	Food Hygiene and sanitation	4	2	2	50
IDE	Food Preservation	2	2	2	50
	<b>Total</b>	<b>32</b>		<b>26</b>	<b>650 (T+P)</b>

### FOURTH SEMESTER

Paper No.	Title	Instructi ons Hrs/ Week	Duration of Examinati on	Credits	Maximum Marks
<b>Theory</b>					
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)

**Meena K**  
 Head of the Dept.  
 Department of Nutrition  
 St. Ann's College  
 Melchior  
 2

**Rabeem**  
 Head of the Dept.  
 Department of Nutrition  
 St. Ann's College  
 Melchior

**Ashlesha**  
 Head of the Dept.  
 Department of Nutrition  
 St. Ann's College  
 Melchior

**SUJATHA**  
 Head of the Dept.  
 Department of Nutrition  
 St. Ann's College  
 Melchior



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	
IDE	Food Science	2	2	2	50	
			24			
	Total Marks	32		26	650	
Grand Total Marks of all the Four Semesters = 625+625+650+650=2550					Theory Practical	+

*Ashesh*

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

*Munira K*  
Head of the Dept.  
Department of Nutrition  
St. Ann's College for Women  
Mehdipatnam, Hydr-26.

*[Signature]*  
SUJATHA STEPHEN R.D.  
HOD NUTRITION DEPT.  
YASHODA HOSPITALS  
Malakpet, Hyderabad-500036.

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