



# ANWARUL ULOOM COLLEGE (AUTONOMOUS)

(Accredited by NAAC with 'A' Grade & An ISO 9001:2015 Certified Institution)

(Affiliated to Osmania University, Hyderabad)

Ref. No.

Date: \_\_\_\_\_

## 1.2.1. DETAILS OF NEW COURSES OFFERED BY THE INSTITUTION THAT FOCUSES ON

### EMPLOYABILITY/ENTREPRENEURSHIP FOR THE YEAR 2018-19

S.NO	NAME OF THE COURSE	COURSE CODE	YEAR/SEMESTER	PROGRAMME NAME	YEAR OF INTRODUCTION
1.	ARABIC - III	SL0303	IIYEAR IIISEMESTER	B.A., B.COM, BSC, BBA, BBM	1964
2.	ARABIC - IV	SL0403	IIYEAR IVSEMESTER	B.A., B.COM, BSC, BBA, BBM	1964
3.	GENETIC - I	6108	I YEAR ISEMESTER	BSC, (BTMBC, BTBC)	1992
4.	GENETIC PR	6108-P	I YEARISEMESTER	BSC, (BTMBC, BTBC)	1992
5.	NUCLEIC, ACID & BIO INFORMATION	6208	I YEAR IISEMESTER	BSC, (BTMBC, BTBC)	1992
6.	NUCLEIC, ACID & BIO INFORMATION PR	6208-P	I YEAR IISEMESTER	BSC, (BTMBC, BTBC)	1992
7.	RECOMBINANT DNA TECHNOLOGY	BT301T	IIYEAR IIISEMESTER	MSC (BIOTECHNOLOGY)	2015
8.	BIOINFORMATICS & ITS APPLICATION	BT302T	IIYEAR IIISEMESTER	MSC (BIOTECHNOLOGY)	2015
9.	ELECTIVE: A. ADVANCE IN PLANT BIOTECHNOLOGY. B. FOOD BIOTECHNOLOGY	BT303T	IIYEAR IIISEMESTER	MSC (BIOTECHNOLOGY)	2015

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10.	ELECTIVE: A. ANIMAL BIOTECHNOLOGY B. PROTEIN ENGINEERING	BT304T	IIEAR IIISEMESTER	MSC (BIOTECHNOLOGY)	2015
11.	RECOMBINANT DNA TECHNOLOGY - PR	BT351P	IIEAR IIISEMESTER	MSC (BIOTECHNOLOGY)	2015
12.	BIOINFORMATICS & ITS APPLICATION – PR	BT352P	IIEAR IIISEMESTER	MSC (BIOTECHNOLOGY)	2015
13.	ELECTIVE: C. ADVANCE IN PLANT BIOTECHNOLOGY D. FOOD BIOTECHNOLOGY – PR	BT353P	IIEAR IIISEMESTER	MSC (BIOTECHNOLOGY)	2015
14.	ELECTIVE: C. ANIMAL BIOTECHNOLOGY D. PROTEIN ENGINEERING - PR	BT354P	IIEAR IIISEMESTER	MSC (BIOTECHNOLOGY)	2015
15.	BIOPROCESS ENGINEERING	BT401T	IIEAR IVSEMESTER	MSC (BIOTECHNOLOGY)	2015
16.	MEDICAL BIOTECHNOLOGY	BT402T	IIEAR IVSEMESTER	MSC (BIOTECHNOLOGY)	2015
17.	ELECTIVE: A. ENVIRONMENT BIOTECHNOLOGY B. BIO PHARMACOLOGY	BT403T	IIEAR IVSEMESTER	MSC (BIOTECHNOLOGY)	2015





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18.	PROJECT WORK	BT404T	IIEAR IVSEMESTER	MSC (BIOTECHNOLOGY)	2015
19.	BIOPROCESS ENGINEERING - PR	BT451P	IIEAR IVSEMESTER	MSC (BIOTECHNOLOGY)	2015
20.	MEDICAL BIOTECHNOLOGY - PR	BT452P	IIEAR IVSEMESTER	MSC (BIOTECHNOLOGY)	2015
21.	ELECTIVE: C. ENVIRONMENT BIOTECHNOLOGY D. BIO PHARMACOLOGY - PR	BT453P	IIEAR IVSEMESTER	MSC (BIOTECHNOLOGY)	2015
22.	PROJECT/THESIS/PRESENTA TION	BT454P	IIEAR IVSEMESTER	MSC (BIOTECHNOLOGY)	2015
23.	MICROBIAL DIVERSITY OF LOWER PLANTS	6107	IYEAR ISEMESTER	BSC (BZC, BTBC)	1964
24.	MICROBIAL DIVERSITY OF LOWER PLANTS – PR	6107P	IYEAR ISEMESTER	BSC (BZC, BTBC)	1964
25.	EVS	A6107	IYEAR ISEMESTER	BSC (BZC, BTBC)	1964
26.	BRYOPHYTES, PTERIOPHYTES, GYMNOSPERMS AND PALEOBOTANY	6207	IYEAR IISEMESTER	BSC (BZC, BTBC)	1964
27.	BRYOPHYTES, PTERIOPHYTES, GYMNOSPERMS AND PALEOBOTANY - PR	6207P	IYEAR IISEMESTER	BSC (BZC, BTBC)	1964

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28.	GENDER SENSITIZATION	I6207	IYEAR IISEMESTER	BSC (BZC, BTBC)	1964
29.	CELL BIOLOGY, GENETICS AND BIostatISTICS	MBOT.OC.T .1.301	IIYEAR IIISEMESTER	MSC (BOTANY)	1989
30.	ENVIRONMENTAL POLLUTION & PROTECTION	MBOT.OC.T .1.302	IIYEAR IIISEMESTER	MSC (BOTANY)	1989
31.	SPECIALIZATION – (A/B/C/D/E)	MBOT.OC.T .1.303	IIYEAR IIISEMESTER	MSC (BOTANY)	1989
32.	SPECIALIZATION – (A/B/C/D/E)	MBOT.OC.T .1.304	IIYEAR IIISEMESTER	MSC (BOTANY)	1989
33.	PRACTICAL LAB - I	MBOT.OC.P .1.305	IIYEAR IIISEMESTER	MSC (BOTANY)	1989
34.	PRACTICAL LAB – II	MBOT.OC.P .1.306	IIYEAR IIISEMESTER	MSC (BOTANY)	1989
35.	PRACTICAL LAB – III	MBOT.OC.P .1.307	IIYEAR IIISEMESTER	MSC (BOTANY)	1989
36.	PRACTICAL LAB - IV	MBOT.OC.P .1.308	IIYEAR IIISEMESTER	MSC (BOTANY)	1989
37.	ECOLOGY & PHYTOGEOGRAPHY	MBOT.OC.T .1.301	IIYEAR IVSEMESTER	MSC (BOTANY)	1989
38.	HORTICULTURE & PLANT BREEDING	MBOT.OC.T .1.302	IIYEAR IVSEMESTER	MSC (BOTANY)	1989
39.	SPECIALIZATION – (A/B/C/D/E)	MBOT.OC.T .1.303	IIYEAR IVSEMESTER	MSC (BOTANY)	1989
40.	SPECIALIZATION – (A/B/C/D/E)	MBOT.OC.T .1.304	IIYEAR IVSEMESTER	MSC (BOTANY)	1989



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41.	PRACTICAL LAB - I	MBOT.OC.P .1.305	IIYEAR IVSEMESTER	MSC (BOTANY)	1989
42.	PRACTICAL LAB – II	MBOT.OC.P .1.306	IIYEARIV SEMESTER	MSC (BOTANY)	1989
43.	PRACTICAL LAB – III	MBOT.OC.P .1.307	IIYEAR IVSEMESTER	MSC (BOTANY)	1989
44.	PRACTICAL LAB - IV	MBOT.OC.P .1.308	IIYEAR IVSEMESTER	MSC (BOTANY)	1989
45.	BUSINESS ORGANIZATION & MANAGEMENT	BBA101	IYEAR ISEMESTER	BBA	2011
46.	BUSINESS ECONOMIC (MICRO)	BBA102	IYEAR ISEMESTER	BBA	2011
47.	FINANCIAL ACCOUNTING – I	BBA103	IYEAR ISEMESTER	BBA	2011
48.	INFORMATION TECHNOLOGY	BBA104	IYEAR ISEMESTER	BBA	2011
49.	ELECTIVE COURSES – STRESS MANAGEMENT	ADD-ON	IYEAR ISEMESTER	BBA	2011
50.	ORGANISATIONAL BEHAVIOUR	BBA201	IYEAR IISEMESTER	BBA	2011
51.	FINANCIAL ACCOUNTING – II	BBA202	IYEAR IISEMESTER	BBA	2011
52.	BUSINESS ECONOMICS (MARCO)	BBA203	IYEAR IISEMESTER	BBA	2011
53.	RELATIONAL DATA BASE MANAGEMENT	BBA204	IYEAR IISEMESTER	BBA	2011

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54.	PERSONALITY DEVELOPMENT ELECTIVE COURSE	IDE	IYEAR IISEMESTER	BBA	2011
55.	NCC/NSS/SPORTS- CERTIFIED VOLUNTARY WORK	CVW206	IYEAR IISEMESTER	BBA	2011
56.	HUMAN VALUES & PROFESSIONAL ETHICS	HVPE	IYEAR IISEMESTER	BBA	2011
57.	FINANCIAL ACCOUNTING	BCO101	IYEAR ISEMESTER	B.COM (GENERAL)	1964
58.	BUSINESS ECONOMICS	BCO102	IYEAR ISEMESTER	B.COM (GENERAL)	2011
59.	BUSINESS ORGANIZATION	BCO103	IYEAR ISEMESTER	B.COM (GENERAL)	2011
60.	INFORMATION TECHNOLOGY	BCO104	IYEAR ISEMESTER	B.COM (GENERAL)	2011
61.	EVS	AECC1	IYEAR ISEMESTER	B.COM (GENERAL)	2011
62.	FINANCIAL ACCOUNTING – II	BCO201	IYEAR IISEMESTER	B.COM (GENERAL)	2011
63.	MANAGERIAL ECONOMICS	BCO202	IYEAR IISEMESTE R	B.COM (GENERAL)	2011
64.	PRINCIPLES OF MANAGEMENT	BCO203	IYEAR IISEMESTER	B.COM (GENERAL)	2011
65.	FOREIGN TRADE	BCO204	IYEAR IISEMESTER	B.COM (GENERAL)	2011





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66.	GENDER SENSITIZATION	AECC2	IYEAR IISEMESTER	B.COM (GENERAL)	2011
67.	NCC/NSS/SPORTS	CVW206	IYEAR IISEMESTER	B.COM (GENERAL)	2011
68.	HUMAN VALUES & PROFESSIONAL ETHICS	HVPE207	IYEAR IISEMESTER	B.COM (GENERAL)	2011
69.	FINANCIAL ACCOUNTING - I	BCO101	IYEAR ISEMESTER	B.COM (COMPUTERS APPLICATIONS)	2011
70.	BUSINESS ECONOMICS	BCO102	IYEAR ISEMESTER	B.COM (COMPUTERS APPLICATIONS)	2011
71.	BUSINESS ORGANIZATION	BCO103	IYEAR ISEMESTER	B.COM (COMPUTERS APPLICATIONS)	2011
72.	INFORMATION TECHNOLOGY	BCO104	IYEAR ISEMESTER	B.COM (COMPUTERS APPLICATIONS)	2011
73.	EVS	AECC1	IYEAR ISEMESTER	B.COM (COMPUTERS APPLICATIONS)	2011
74.	FINANCIAL ACCOUNTING – II	BCO201	IYEAR IISEMESTER	B.COM (COMPUTERS APPLICATIONS)	2011
75.	MANAGERIAL ECONOMICS	BCO202	IYEAR IISEMESTER	B.COM (COMPUTERS APPLICATIONS)	2011

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Ref. No.					Date: _____
76.	PRINCIPLES OF MANAGEMENT	BCO203	IYEAR IISEMESTER	B.COM (COMPUTERS APPLICATIONS)	2011
77.	RDBMS	BCO204	IYEAR IISEMESTER	B.COM (COMPUTERS APPLICATIONS)	2011
78.	GENDER SENSITIZATION	AECC2	IYEAR IISEMESTER	B.COM (COMPUTERS APPLICATIONS)	2011
79.	NCC/NSS/SPORTS	CVW206	IYEAR IISEMESTER	B.COM (COMPUTERS APPLICATIONS)	2011
80.	HUMAN VALUES & PROFESSIONAL ETHICS	HVPE207	IYEAR IISEMESTER	B.COM (COMPUTERS APPLICATIONS)	2011
81.	FINANCIAL ACCOUNTING - I	BCO101	IYEAR ISEMESTER	B.COM (E-COMMERCE)	2001
82.	BUSINESS ECONOMICS	BCO102	IYEAR ISEMESTER	B.COM (E-COMMERCE)	2001
83.	BUSINESS ORGANIZATION	BCO103	IYEAR ISEMESTER	B.COM (E-COMMERCE)	2001
84.	INFORMATION TECHNOLOGY	BCO104	IYEAR ISEMESTER	B.COM (E-COMMERCE)	2001
85.	EVS	AECC1	IYEAR ISEMESTER	B.COM (E-COMMERCE)	2001
86.	FINANCIAL ACCOUNTING – II	BCO201	IYEAR IISEMESTER	B.COM (E-COMMERCE)	2001

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Ref. No.					Date: _____
87.	MANAGERIAL ECONOMICS	BCO202	IYEAR IISEMESTER	B.COM (E- COMMERCE)	2001
88.	PRINCIPLES OF MANAGEMENT	BCO203	IYEAR IISEMESTER	B.COM (E- COMMERCE)	2001
89.	FOREIGN TRADE	BCO204	IYEAR IISEMESTER	B.COM (E- COMMERCE)	2001
90.	GENDER SENSITIZATION	AECC2	IYEAR IISEMESTER	B.COM (E- COMMERCE)	2001
91.	NCC/NSS/SPORTS	CVW206	IYEAR IISEMESTER	B.COM (E- COMMERCE)	2001
92.	HUMAN VALUES & PROFESSIONAL ETHICS	HVPE207	IYEAR IISEMESTER	B.COM (E- COMMERCE)	2001
93.	RESEARCH METHODOLOGY & STATISTICALLY ANALYSIS	COM11: CORE-1	IIYEAR IISEMESTER	M.COM	1989
94.	E- COMMERCE	COM12: CORE-2	IIYEAR IISEMESTER	M.COM	1989
95.	COST ACCOUNTING & CONTROL	COM13: CORE-2I	IIYEAR III SEMESTER	M.COM	1989
96.	INTERNATIONAL FINANCIAL MANAGEMENT	COM14: ELECTIVE-1	IIYEAR IISEMESTER	M.COM	1989
97.	SECURITY ANALYSIS & PORTFOLIO MANAGEMENT	COM15: ELECTIVE-2	IIYEAR IISEMESTER	M.COM	1989
98.	BUSINESS ORGANISATION & MANAGEMENT	ID PAPER	IIYEAR IISEMESTER	M.COM	1989
99.	SEMINAR	SEMINAR	IIYEAR IISEMESTER	M.COM	1989

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Date: \_\_\_\_\_

100.	QUANTITATIVE TECHNIQUES FOR BUSINESS DECISIONS	COM16: CORE-I	IIYEAR IVSEMESTER	M.COM	1989
101.	BUSINESS & COOPERATIVE TAXATION	COM17: CORE-2	IIYEAR IVSEMESTER	M.COM	1989
102.	STRATEGIC MANAGEMENT	COM18: CORE-2I	IIYEAR IVSEMESTER	M.COM	1989
103.	FINANCIAL SERVICE	COM19: ELECTIVE-I	IIYEAR IVSEMESTER	M.COM	1989
104.	FINANCIAL DERIVATION	COM3L20: ELECTIVE-2	IIYEAR IVSEMESTER	M.COM	1989
105.	PROJECT WORK	COM21	IIYEAR IVSEMESTER	M.COM	1989
106.	SEMINAR	SEMINAR	IIYEAR IVSEMESTER	M.COM	1989
107.	CHEMISTRY-I	6109	I YEAR ISEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)	1964
108.	CHEMISTRY-I PR	6109P	I YEAR ISEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)	1964
109.	EVS	AECC1	I YEAR ISEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)	1964
110.	CHEMISTRY-II	6209	I YEAR IISEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)	1964
111.	CHEMISTRY-II PR	6209P	I YEAR IISEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)	1964
112.	GENDER SENSITIZATION	AECC2	I YEAR IISEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)	1964

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Ref. No.					Date:
113.	SYNTHETIC REAGENTS, ADVANCED NMR, CONFORMATIONAL ANALYSIS AND ORD	531	II YEAR III SEMESTER	MSC (CHEMISTRY)	1989
114.	MODERN ORGANIC SYNTHESIS	532	II YEAR III SEMESTER	MSC (CHEMISTRY)	1989
115.	BIO ORGANIC CHEMISTRY	533	II YEAR III SEMESTER	MSC (CHEMISTRY)	1989
116.	GREEN CHEMISTRY AND ORGANIC MATERIALS	534	II YEAR III SEMESTER	MSC (CHEMISTRY)	1989
117.	BIO-TECHNOLOGY AND HEALTH CARE	535	II YEAR III SEMESTER	MSC (CHEMISTRY)	1989
118.	SEMINAR	SEMINAR	II YEAR III SEMESTER	MSC (CHEMISTRY)	1989
119.	SYNTHESIS OF ORGANIC MOLECULES, ISOLATION OF NATURAL PRODUCTS AND TLC PR	536P	II YEAR III SEMESTER	MSC (CHEMISTRY)	1989
120.	SEPARATION AND IDENTIFICATION OF ORGANIC COMPOUNDS AND COLUMN CHROMATOGRAPHY PR	537P	II YEAR III SEMESTER	MSC (CHEMISTRY)	1989
121.	DRUG DESIGN AND DRUG DISCOVERY	541	II YEAR IV SEMESTER	MSC (CHEMISTRY)	1989
122.	DRUG SYNTHESIS AND	542	II YEAR	MSC (CHEMISTRY)	1989

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Ref. No.	MECHANISM OF ACTION		IVSEMESTER		
123.	ADVANCED HETEROCYCLIC CHEMISTRY	543	II YEAR IVSEMESTER	MSC (CHEMISTRY)	1989
124.	ADVANCED NATURAL PRODUCTS	544	II YEAR IVSEMESTER	MSC (CHEMISTRY)	1989
125.	FOOD MICROBIOLOGY	545	II YEAR IVSEMESTER	MSC (CHEMISTRY)	1989
126.	SEMINAR	SEMINAR	II YEAR IVSEMESTER	MSC (CHEMISTRY)	1989
127.	SPECTROSCOPIC IDENTIFICATION OF ORGANIC COMPOUNDS AND PRACTICE OF CHEMISTRY SOFTWARE PROGRAMMES PR	546P	II YEAR IVSEMESTER	MSC (CHEMISTRY)	1989
128.	SYNTHESIS AND ANALYSIS OF DRUGS PR	547P	II YEAR IVSEMESTER	MSC (CHEMISTRY)	1989
129.	MATHEMATICS-I	7141	I YEAR ISEMESTER	BSC (CSE)	1988
130.	ECM	7142	I YEAR ISEMESTER	BSC (CSE)	1988
131.	ECM-LAB	7142P	I YEAR ISEMESTER	BSC (CSE)	1988
132.	IIT	7143	I YEARISEMESTER	BSC (CSE)	1988
133.	IIT-LAB	7143P	I YEAR	BSC (CSE)	1988

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			ISEMESTER		
134.	PROGRAMMING IN C	7144	I YEAR ISEMESTER	BSC (CSE)	1988
135.	PROGRAMMING IN C-LAB	7144P	I YEAR ISEMESTER	BSC (CSE)	1988
136.	INTRODUCTION TO INTERNET	A7145	I YEAR ISEMESTER	BSC (CSE)	1988
137.	MATHEMATICS-II	7246	I YEAR IISEMESTER	BSC (CSE)	1988
138.	PHYSICS	7247	I YEAR IISEMESTER	BSC (CSE)	1988
139.	PHYSICS-LAB	7247P	I YEAR IISEMESTER	BSC (CSE)	1988
140.	EDC	7248	I YEAR IISEMESTER	BSC (CSE)	1988
141.	EDC-LAB	7248P	I YEAR IISEMESTER	BSC (CSE)	1988
142.	PROG. IN UNIX	7249	I YEAR IISEMESTER	BSC (CSE)	1988
143.	PROG. IN UNIX-LAB	7249P	I YEAR IISEMESTER	BSC (CSE)	1988
144.	FUNDAMENTALS OF COMPUTING	17250	I YEAR IISEMESTER	BSC (CSE)	1988
145.	PROGRAMMING IN C	6110	IYEARI SEMESTER	BSC (MECS, MPC)	1988
146.	PROGRAMMING IN C LAB	6110P	IYEARI SEMESTER	BSC (MECS, MPC)	1988

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147.	EVS	AECC1	IYEAR SEMESTER	BSC (MECS, MPC)	1988
148.	PROGRAMMING IN C++	6210	IYEARIISEMESTE R	BSC (MECS, MPC)	1988
149.	PROGRAMMING IN C++ LAB	6210P	IYEAR IISEMESTER	BSC (MECS, MPC)	1988
150.	GENDER SENSITIZATION	AECC2	IYEAR IISEMESTER	BSC (MECS, MPC)	1988
151.	MICRO ECONOMICS	1111	I YEAR ISEMESTER	BA (EPP)	1964
152.	TAXATION	A1111	I YEAR ISEMESTER	BA (EPP)	1964
153.	MACRO ECONOMICS	1211	I YEAR IISEMESTER	BA (EPP)	1964
154.	PUBLIC FINANCE	11211	II YEAR IISEMESTER	BA (EPP)	1964
155.	ECONOMETRICS-I	301	II YEAR IISEMESTER	MA (ECONOMICS)	1993
156.	INTERNATIONAL ECONOMICS-I	302	II YEAR IISEMESTER	MA (ECONOMICS)	1993
157.	PUBLIC ECONOMICS-I	303	II YEAR IISEMESTER	MA (ECONOMICS)	1993
158.	INDUSTRIAL ECONOMICS-I OR AGRI-BUSINESS-I	304	II YEAR IISEMESTER	MA (ECONOMICS)	1993
159.	DEMOGRAPHY-I OR DEVELOPMENT ECONOMICS-I	305	II YEAR IISEMESTER	MA (ECONOMICS)	1993

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Ref. No.					Date: _____
160.	TELANGANA ECONOMY	306	II YEAR III SEMESTER	MA (ECONOMICS)	1993
161.	SEMINAR		II YEAR III SEMESTER	MA (ECONOMICS)	1993
162.	ECONOMETRICS-II	401	II YEAR IV SEMESTER	MA (ECONOMICS)	1993
163.	INTERNATIONAL ECONOMICS-II	402	II YEAR IV SEMESTER	MA (ECONOMICS)	1993
164.	ENVIRONMENTAL ECONOMICS-II	403	II YEAR IV SEMESTER	MA (ECONOMICS)	1993
165.	INDUSTRIAL ECONOMICS-II OR AGRI-BUSINESS-II	404	II YEAR IV SEMESTER	MA (ECONOMICS)	1993
166.	ECONOMICS OF INSURANCE OR TELANGANA ECONOMY	405	II YEAR IV SEMESTER	MA (ECONOMICS)	1993
167.	INDIAN ECONOMY AND DEVELOPMENT	406	II YEAR IV SEMESTER	MA (ECONOMICS)	1993
168.	SEMINAR	SEMINAR	II YEAR IV SEMESTER	MA (ECONOMICS)	1993
169.	CIRCUIT ANALYSIS	6112	I YEAR I SEMESTER	BSC (MECS, MPE)	1988
170.	CIRCUIT ANALYSIS PR	6112P	I YEAR I SEMESTER	BSC (MECS, MPE)	1988
171.	INDUSTRIAL ELECTRONICS	A6112	I YEAR I SEMESTER	BSC (MECS, MPE)	1988

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Ref. No.					Date:
172.	ELECTRONIC DEVICES	6212	I YEAR II SEMESTER	BSC (MECS, MPE)	1988
173.	ELECTRONIC DEVICES PR	6212P	I YEAR II SEMESTER	BSC (MECS, MPE)	1988
174.	FUNDAMENTALS OF ELECTRONICS	16212	I YEAR II SEMESTER	BSC (MECS, MPE)	1988
175.	ENGLISH-III	ELS-3	II YEAR III SEMESTER	BA, B.COM, BSC, BBA, BBM	1964
176.	ENGLISH-IV	ELS-4	II YEAR IV SEMESTER	BA, B.COM, BSC, BBA, BBM	1964
177.	ENGLISH LANGUAGE TEACHING CLASSROOM TECHNIQUES AND PRACTICAL ENGLISH	301	II YEAR III SEMESTER	MA (ENGLISH)	2018
178.	AMERICAN LITERATURE	302	II YEAR III SEMESTER	MA (ENGLISH)	2018
179.	INDIAN WRITING IN ENGLISH-I	303	II YEAR III SEMESTER	MA (ENGLISH)	2018
180.	POSTCOLONIAL LITERATURES	304	II YEAR III SEMESTER	MA (ENGLISH)	2018
181.	LITERATURE AND FILM	305	II YEAR III SEMESTER	MA (ENGLISH)	2018
182.	ENGLISH LANGUAGE TEACHING HISTORY, APPROACHES AND METHODS	401	II YEAR IV SEMESTER	MA (ENGLISH)	2018

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Ref. No.					Date: _____
183.	ENGLISH PROSE	402	II YEAR IVSEMESTER	MA (ENGLISH)	2018
184.	ENGLISH FICTION	403	II YEAR IVSEMESTER	MA (ENGLISH)	2018
185.	WOMEN'S WRITING	404	II YEAR IVSEMESTER	MA (ENGLISH)	2018
186.	TWENTIETH CENTURY LITERARY CRITICISM AND THEORY	405	II YEAR IVSEMESTER	MA (ENGLISH)	2018
187.	HINDI-III	SL0304	IIYEAR IIISEMESTER	BAB.COMBSCBBABB M	1964
188.	HINDI-IV	SL0404	IIYEAR IVSEMESTER	BAB.COMBSCBBABB M	1964
189.	HISTORY OF INDIA (FROM EARLIEST TIMES TO 700 CE)	1113	I YEAR ISEMESTER	BA (HPML)	1993
190.	EVS	AECC1	I YEARISEMESTER	BA (HPML)	1993
191.	HISTORY OF INDIA (FROM 700-15 II6 CE)	1213	I YEAR IISEMESTER	BA (HPML)	1993
192.	GENDER SENSITIZATION	AECC2	I YEAR IISEMESTER	BA (HPML)	1993
193.	SOCIAL, ECONOMIC & CULTURAL HISTORY OF MEDIEVAL INDIA (1 II08- 1707 CE)	231	II YEAR IIISEMESTER	MA (HISTORY)	1993

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Ref. No.					Date:
194.	SOCIAL, ECONOMIC & CULTURAL HISTORY OF MODERN INDIA(1707-1947 CE)	232	II YEAR III SEMESTER	MA (HISTORY)	1993
195.	HISTORY OF DALIT MOVEMENT IN INDIA (1900 -1947 AD)	233	II YEAR III SEMESTER	MA (HISTORY)	1993
196.	HISTORY OF SCIENCE & TECHNOLOGY IN MODERN INDIA (1800-1964 CE)	234A	II YEAR III SEMESTER	MA (HISTORY)	1993
197.	ARCHITECTURE IN DECCAN	234B	II YEAR III SEMESTER	MA (HISTORY)	1993
198.	HISTORY OF CONTEMPORARY INDIA (1947- II000 CE)	235	II YEAR III SEMESTER	MA (HISTORY)	1993
199.	CULTURAL HERITAGE OF INDIA PART A	236	II YEAR III SEMESTER	MA (HISTORY)	1993
200.	NATIONAL MOVEMENT IN INDIA (1858 1947 CE)	241	II YEAR IV SEMESTER	MA (HISTORY)	1993
201.	BUDDHIST STUDIES	242	II YEAR IV SEMESTER	MA (HISTORY)	1993
202.	TRIBAL & PEASANT MOVEMENT IN INDIA (19 & II0 CENTURIES)	243	II YEAR IV SEMESTER	MA (HISTORY)	1993
203.	CONSTITUTIONAL HISTORY OF INDIA (1773 1947 CE)	244A	II YEAR IV SEMESTER	MA (HISTORY)	1993





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Ref. No.					Date:
204.	ARCHIVES & MUSEUMS	244B	II YEAR IVSEMESTER	MA (HISTORY)	1993
205.	WOMEN STUDIES IN MODEM INDIA	245	II YEAR IVSEMESTER	MA (HISTORY)	1993
206.	CULTURAL HERITAGE OF INDIA PART B	246	II YEAR IVSEMESTER	MA (HISTORY)	1993
207.	DIFFERENTIAL CALCULUS	BS102	I YEAR ISEMESTER	BSC (MPCS, MPC, MECS, MPE)	1964
208.	DIFFERENTIAL CALCULUS PR	BS105	I YEAR ISEMESTER	BSC (MPCS, MPC, MECS, MPE)	1964
209.	DIFFERENTIAL EQUATIONS	BS202	I YEAR IISEMESTER	BSC (MPCS, MPC, MECS, MPE)	1964
210.	DIFFERENTIAL EQUATIONS PR	BS205	I YEAR IISEMESTER	BSC (MPCS, MPC, MECS, MPE)	1964
211.	VISCOUS FLOWS	AM301	II YEAR IIISEMESTER	MSC (APPLIED MATHEMATICS)	1989
212.	FINITE DIFFERENCE METHODS	AM302	II YEAR IIISEMESTER	MSC (APPLIED MATHEMATICS)	1989
213.	COMPRESSIBLE FLOWS INTEGRAL TRANSFORMS DIFFERENTIAL GEOMETRY	AM303A AM303B AM303C	II YEAR IIISEMESTER	MSC (APPLIED MATHEMATICS)	1989
214.	NUMERICAL TECHNIQUES OPERATIONS RESEARCH DYNAMICAL SYSTEMS	AM304A AM304B AM304C	II YEAR IIISEMESTER	MSC (APPLIED MATHEMATICS)	1989
215.	VISCOUS FLOWS PR	AM351	II YEAR IIISEMESTER	MSC (APPLIED MATHEMATICS)	1989



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Ref. No.				Date: _____	
216.	FINITE DIFFERENCE METHODS PR	AM352	II YEAR III SEMESTER	MSC (APPLIED MATHEMATICS)	1989
217.	COMPRESSIBLE FLOWS PR INTEGRAL TRANSFORMS PR DIFFERENTIAL GEOMETRY PR	AM353A AM353B AM353C	II YEAR III SEMESTER	MSC (APPLIED MATHEMATICS)	1989
218.	NUMERICAL TECHNIQUES PR OPERATIONS RESEARCH PR DYNAMICAL SYSTEMS PR	AM354A AM354B AM354C	II YEAR III SEMESTER	MSC (APPLIED MATHEMATICS)	1989
219.	ADVANCED COMPLEX ANALYSIS	AM401	II YEAR IV SEMESTER	MSC (APPLIED MATHEMATICS)	1989
220.	FINITE ELEMENT METHODS	AM402	II YEAR IV SEMESTER	MSC (APPLIED MATHEMATICS)	1989
221.	INTEGRAL EQUATIONS & CALCULUS OF VARIATIONS MHD BIO-MECHANICS	AM403	II YEAR IV SEMESTER	MSC (APPLIED MATHEMATICS)	1989
222.	FUNCTIONAL ANALYSIS DISCRETE MATHEMATICS TOPOLOGY	AM404	II YEAR IV SEMESTER	MSC (APPLIED MATHEMATICS)	1989
223.	ADVANCED COMPLEX ANALYSIS PR	AM451	II YEAR IV SEMESTER	MSC (APPLIED MATHEMATICS)	1989
224.	FINITE ELEMENT METHODS PR	AM452	II YEAR IV SEMESTER	MSC (APPLIED MATHEMATICS)	1989

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Ref. No.				Date:	
225.	INTEGRAL EQUATIONS & CALCULUS OF VARIATIONS PR MHD PR BIO-MECHANICS PR	AM453A AM453B AM453C	II YEAR IV SEMESTER	MSC (APPLIED MATHEMATICS)	1989
226.	FUNCTIONAL ANALYSIS PR DISCRETE MATHEMATICS PR TOPOLOGY PR	AM454A AM454B AM454C	II YEAR IV SEMESTER	MSC (APPLIED MATHEMATICS)	1989
227.	GENERAL MICROBIOLOGY-I	6115	I YEAR I SEMESTER	BSC (BTMBC)	1992
228.	GENERAL MICROBIOLOGY-I PR	6115P	I YEAR I SEMESTER	BSC (BTMBC)	1992
229.	EVS	AECC1	I YEAR I SEMESTER	BSC (BTMBC)	1992
230.	GENERAL MICROBIOLOGY- II	6215	I YEAR II SEMESTER	BSC (BTMBC)	1992
231.	GENERAL MICROBIOLOGY- II PR	6215P	I YEAR II SEMESTER	BSC (BTMBC)	1992
232.	GEMDER SENSITIZATIO	AECC2	I YEAR II SEMESTER	BSC (BTMBC)	1992
233.	NUTRITIONAL BIOCHEMISTRY	101	I YEAR I SEMESTER	BSC (NZC)	2011
234.	NUTRITION THROUGH THE LIFE CYCLE	201	I YEAR II SEMESTER	BSC (NZC)	2011
235.	NUTRITIONAL BIOCHEMISTRY PR	151	I YEAR I SEMESTER	BSC (NZC)	2011

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Ref. No.					Date:
236.	NUTRITION THROUGH THE LIFE CYCLE PR	251	I YEAR II SEMESTER	BSC (N.ZC)	2011
237.	FOOD MICROBIOLOGY	ND301T	II YEAR III SEMESTER	MSC (NUTRITION)	2015
238.	FOOD SAFETY AND QUALITY CONTROL	ND302T	II YEAR III SEMESTER	MSC (NUTRITION)	2015
239.	PRODUCT DEVELOPMENT	ND303T	II YEAR III SEMESTER	MSC (NUTRITION)	2015
240.	ADVANCED NUTRITION	ND304T	II YEAR III SEMESTER	MSC (NUTRITION)	2015
241.	FOOD MICROBIOLOGY PR	ND305P	II YEAR III SEMESTER	MSC (NUTRITION)	2015
242.	PRODUCT DEVELOPMENT PR	ND306P	II YEAR III SEMESTER	MSC (NUTRITION)	2015
243.	SEMINAR	SEMINAR	II YEAR III SEMESTER	MSC (NUTRITION)	2015
244.	CHOICE BASED PAPER I: PATIENT COUNSELLING AND COMPUTER APPLICATIONS CHOICE BASED PAPER II: NUTRITION IN INTENSIVE CARE	ND401T	II YEAR IV SEMESTER	MSC (NUTRITION)	2015
245.	FOOD TECHNOLOGY	ND402T	II YEAR IV SEMESTER	MSC (NUTRITION)	2015
246.	COMMUNITY NUTRITION	ND403T	II YEAR IV SEMESTER	MSC (NUTRITION)	2015

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Ref. No.					Date:
247.	FOOD SERVICE MANAGEMENT	ND404T	II YEAR IVSEMESTER	MSC (NUTRITION)	2015
248.	INTERNSHIP	ND405P	II YEAR IVSEMESTER	MSC (NUTRITION)	2015
249.	PROJECT	ND406P	II YEAR IVSEMESTER	MSC (NUTRITION)	2015
250.	SEMINAR	SEMINAR	II YEAR IVSEMESTER	MSC (NUTRITION)	2015
251.	MECHANICS	6118	I YEAR ISEMESTER	BSC (MPSC, MPC, MPE)	1964
252.	MECHANICAL LAB	6118P	I YEAR ISEMESTER	BSC (MPSC, MPC, MPE)	1964
253.	EVS	AECC1	I YEAR ISEMESTER	BSC (MPSC, MPC, MPE)	1964
254.	WAVES AND OSCILLATION	6218	I YEAR IISEMESTER	BSC (MPSC, MPC, MPE)	1964
255.	WAVES AND OSCILLATION LAB	6218P	I YEAR IISEMESTER	BSC (MPSC, MPC, MPE)	1964
256.	GENDER SENSITIZATION	AECC2	I YEARIISEMESTER	BSC (MPSC, MPC, MPE)	1964
257.	MODERN OPTICS	P301	II YEAR IIISEMESTER	MSC (PHYSICS)	1991
258.	ADVANCED SOLID STATE PHYSICS	P302	II YEAR IIISEMESTER	MSC (PHYSICS)	1991
259.	DIGITAL LOGIC CIRCUITS	P303	II YEAR IIISEMESTER	MSC (PHYSICS)	1991

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Ref. No.					Date: _____
260.	MICROPROCESSORS, DSPS & INTERFACING	P304	II YEAR III SEMESTER	MSC (PHYSICS)	1991
261.	ELECTRONIC INSTRUMENTATION	P305	II YEAR III SEMESTER	MSC (PHYSICS)	1991
262.	SPECTROSCOPY	P306	II YEAR III SEMESTER	MSC (PHYSICS)	1991
263.	ANALOGY AND DIGITAL SIMULATION	P307	II YEAR III SEMESTER	MSC (PHYSICS)	1991
264.	PRINCIPLES OF ELECTRICAL APPLIANCES	P308	II YEAR III SEMESTER	MSC (PHYSICS)	1991
265.	NUCLEAR PHYSICS	P401	II YEAR IV SEMESTER	MSC (PHYSICS)	1991
266.	SPECTROSCOPY	P402	II YEAR IV SEMESTER	MSC (PHYSICS)	1991
267.	EMBEDDED SYSTEMS AND ITS APPLICATIONS	P403	II YEAR IV SEMESTER	MSC (PHYSICS)	1991
268.	PC ARCHITECTURE	P404	II YEAR IV SEMESTER	MSC (PHYSICS)	1991
269.	INSTRUMENTATION FOR MEASUREMENT, CONTROL, DATA ACQUISITION AND DATA TRANSMISSION	P405	II YEAR IV SEMESTER	MSC (PHYSICS)	1991
270.	NUCLEAR PHYSICS	P406	II YEAR IV SEMESTER	MSC (PHYSICS)	1991
271.	MICROPROCESSORS (8086) & MICROCONTROLLERS (8051)	P407	II YEAR IV SEMESTER	MSC (PHYSICS)	1991

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Ref. No.					Date: _____
272.	SOLAR ENERGY UTILIZATION	P408	II YEAR IVSEMESTER	MSC (PHYSICS)	1991
273.	POL. SCIENCE – CONCEPTS, THEORIES AND INSTITUTIONS	1119	I YEAR ISEMESTER	BA (EPP, HPML)	1964
274.	EVS	AECC1	I YEAR ISEMESTER	BA (EPP, HPML)	1964
275.	POLITICAL SCIENCE IDEOLOGIES	1119	I YEAR IISEMESTER	BA (EPP, HPML)	1964
276.	GENDER SENSITIZATION	AECC2	I YEAR IISEMESTER	BA (EPP, HPML)	1964
277.	INTRODUCTION TO PUBLIC ADMINISTRATION- I	1120	I YEAR ISEMESTER	BA (EPP)	1964
278.	WOMEN STUDIES	A1120	I YEAR ISEMESTER	BA (EPP)	1964
279.	INTRODUCTION TO PUBLIC ADMINISTRATION-II	1220	I YEAR IISEMESTER	BA (EPP)	1964
280.	DISASTER MANAGEMENT	11220	I YEAR IISEMESTER	BA (EPP)	1964
281.	TELUGU -III	SL0301	II YEAR IIISEMESTER	BA, B.COM, BSC, BBA, BBM	1964
282.	TELUGU -IV	SL0401	II YEAR IVSEMESTER	BA, B.COM, BSC, BBA, BBM	1964
283.	URDU-III	SL0302	II YEAR IIISEMESTER	BA, B.COM, BSC, BBA, BBM	1964
284.	URDU-IV	SL0402	II YEAR IVSEMESTER	BA, B.COM, BSC, BBA, BBM	1964

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Ref. No.				Date:	
285.	ML URDU-I	1116	I YEAR ISEMESTER	BA (HPML)	1993
286.	ML URDU-II	1216	I YEAR IISEMESTER	BA (HPML)	1993
287.	ANIMAL DIVERSITY INVERTEBRATES	6121	I YEAR ISEMESTER	BSC (NZC, BZC)	1964
288.	ANIMAL DIVERSITY INVERTEBRATES PR	6121P	I YEAR ISEMESTER	BSC (NZC, BZC)	1964
289.	EVS	AECC1	I YEAR ISEMESTER	BSC (NZC, BZC)	1964
290.	ECOLOGY, ZOOGEOGRAPHY AND ANIMAL BEHAVIOUR	6221	I YEAR IISEMESTER	BSC (NZC, BZC)	1964
291.	ECOLOGY, ZOOGEOGRAPHY AND ANIMAL BEHAVIOUR PR	6221P	1 YEAR IISEMESTER	BSC (NZC, BZC)	1964
292.	GENDER SENSITIZATION	AECC2	1 YEAR IISEMESTER	BSC (NZC, BZC)	1964

  
IQAC  
COORDINATOR

Internal Quality Assurance Cell  
Anwarul Uloom College (Autonomous)  
New Mallepally, Hyderabad.



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Anwarul Uloom College New Mallepally, Hyderabad-1  
(An Autonomous Muslim Institution Affiliated to Osmania University)  
B.A, B.Sc, B.Com & B.B.A

Department of Arabic 2018 - 2019

**Subject: Arabic semester I / II / III / IV**

Semester	Course Paper	Code num.	Teaching hrs per week	Credits
I	<b>Paper I:</b> Classical prose, poetry, translation and History of Arabic Literature	0101	4hours	4
II	<b>Paper II:</b> Classical prose, poetry, translation and History of Arabic Literature	0201	4 hours	4
III	<b>Paper III:</b> Classical prose poetry, translation and History of Arabic Literature	0301	4 hours	4
IV	<b>Paper IV:</b> Classical prose poetry translation and History of Arabic Literature	0401	4 hours	4

  
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Prof. Dr. REHANA BEENA AKTHER  
Chairperson Board of Studies  
Dept of ARABIC  
Osmania University, Hyderabad

2012-13

**ANWARUL ULOOM COLLEGE (AUTONOMOUS)**  
**B.Sc. Biotechnology**

Semester	Course/Paper	Teaching Hours/week	No. of Credits
I	Paper - I (Theory) - Genetics	4hr	4
	Paper - I (Practical)	2hr	1
	<b>A/ECC - I</b>	2hr	2
II	Paper - II (Theory) - Nucleic Acids & Bioinformatics	4hr	4
	Paper - II (Practical)	2hr	1
	<b>A/ECC - II</b>	2hr	2
III	Paper - III (Theory) - Biological chemistry	4hr	4
	Paper - III (Practical)	2hr	1
	Add On	2hr	1
IV	Paper - IV (Theory) - Microbiology & Immunology	4hr	4
	Paper - IV (Practical)	2hr	1
	IDE	2hr	1
V	Paper - V A (Theory) - Molecular Biology	4hr	4
	Paper - V A (Practical)	2hr	1
	Paper - V B (Theory) - r-DNA Technology	4hr	4
	Paper - V B (Practical)	2hr	1
	Add On	2hr	1
VI	Paper - VI A (Theory) - Microbial Technology (A)	4hr	4
	Paper - VI A (Practical)	2hr	1
	Paper - VI B (Theory) - Microbial Technology (B)	4hr	4
	Paper - VI B (Practical)	2hr	1
	IDE	2hr	1
	PROJECT		4

*Handwritten signatures and initials:*  
 Anwarul Uloom  
 A.A.  
 A.A.  
 A.A.  
 A.A.

Dr. H. S. Khan  
 M.Sc., Ph.D.  
 Asst. Professor  
 Department of Genetics & Biotechnology  
 Anwarul Uloom College, Ferozpur Road, Ferozpur, Punjab-150007.

ANWARUL ULLOOM COLLEGE  
(AUTONOMOUS)

M.Sc. BIOTECHNOLOGY SYLLABUS (2018 - 2019)

CHOICE BASED CREDIT SYSTEM (CBCS)

SEMESTER - I						
S No	Syllabus Ref No	Subject	Credits	Teaching Hours	Mark	Total
THEORY						
1.	BT 101 T	Cell Biology and Genetics	4	4	20	80
2.	BT 102 T	Biological chemistry	4	4	20	80
3.	BT 103 T	Microbiology	4	4	20	80
4.	BT 104 T	Statistics, laboratory management & safety, entrepreneurship	4	4	20	80
PRACTICALS						
1.	BT 151 P	Cell Biology and Genetics	2	4		50
2.	BT 152 P	Biological chemistry	2	4		50
3.	BT 153 P	Microbiology	2	4		50
4.	BT 154 P	Statistics, L,M&S, & E.	2	4		50
<b>Total</b>			<b>24</b>	<b>32</b>	<b>80</b>	<b>600</b>

SEMESTER - II						
S No	Syllabus Ref No	Subject	Credits	Teaching Hours	Mark	Total
THEORY						
1.	BT 201 T	Molecular Biology- The Genome	4	4	20	80
2.	BT 202 T	Molecular Biology- Genes to Proteins	4	4	20	80
3.	BT 203 T	Immunology	4	4	20	80
4.	BT 204 T	Microbial technology	4	4	20	80
PRACTICALS						
1.	BT 251 P	Molecular Biology- The Genome	2	4		50
2.	BT 252 P	Molecular Biology- Genes to Proteins	2	4		50
3.	BT 253 P	Immunology	2	4		50
4.	BT 254 P	Microbial technology	2	4		50
<b>Total</b>			<b>24</b>	<b>32</b>	<b>80</b>	<b>600</b>

T- Theory, P-Practical

Dr.H.Surekha Rao  
M.Sc., Ph.D.

Department of Biotechnology  
Osmania University, Hyderabad-500 007.







2018-19

B.Sc. Botany Papers and Scheme of Marks  
Anwarul Uloom College

S.No	Semester	Course /Paper	Code No	Teaching Hrs	No. of Credits
1.	I	Paper-I Theory Microbial Diversity of lower plants.	6107	4 hrs	4
		Practical-Paper I: Microbial Diversity of lower plants. AECC I :Environmental studies	6107-P	2hrs	1
			A6107	2hrs	2
2.	II	Paper-II Theory Bryophytes, Pteridophytes, Gymnosperms and Paleobotany.	6207	4 hrs	4
		Practical-Paper II: Bryophytes, Pteridophytes, Gymnosperms and Paleobotany AECC II: Gender Sensitization.	6207-P	2hrs	1
			16207	2hrs	2
3.	III	Paper-III Theory Taxonomy of Angiosperms and Medicinal Botany	6307	4hrs	4
		Practical-Paper III: Taxonomy & Medicinal Botany. Add On :BioFertilizers	6307-P	2hrs	1
			A6307	2hrs	1
4.	IV	Paper-IV Theory Anatomy , Embryology and Palynology	6407	4hrs	4
		Practical-Paper IV: Anatomy , Embryology and Palynology. IDE: Forestry	6407-P	2hrs	1
			16407	2hrs	1

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O. U. HYD.

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*B. G. ...*

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FRODO BAGGINS  
DEPARTMENT OF BOTANY  
OSMANIYA UNIVERSITY  
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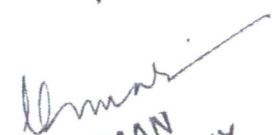
S.No.	Semester	Course/ Paper	Code No.	Teaching Hrs	No.of Credits
5.	VA	Paper-V Theory	6507	6hrs	4
	VB	Cell Biology, Genetics, Ecology and Biodiversity	6507-P	2hrs	1
		Practical-Paper V: Cell Biology, Genetics, Ecology and Biodiversity Add On : E-waste management.	A6507	2hrs	2
(35 + 15) marks					
6.	VIA	Paper-VI Theory	6607	6hrs	4
	VIB	Plant Physiology, Tissue Culture, Biotechnology, Seed Technology and Horticulture	6607-P	2hrs	1
		Practical-Paper VI: Physiology, Tissue Culture, Biotechnology, Seed Technology and Horticulture  IDE: Herbal Medicine.	16607	2hrs	2


Theory: 35 Marks

IAT: 15 Marks

Practicals: 25 Marks.

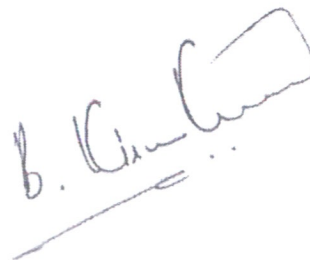
  
CHAIR PERSON  
BOS<sub>4</sub> IN Botany

  
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B.O.S. IN BOTANY  
O. U. HYD.

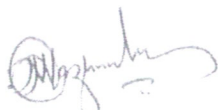
  
Professor & Head  
Department of Botany  
Osmania University  
Hyderabad-500 007

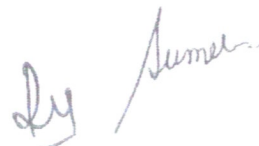












Anwarul Uloom P.G. College (Autonomous)  
M.Sc. Botany Scheme of Papers & Examinations

Semester-I

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

Semester-II

Paper	Title	Theory Hrs/Week	Practical Hrs/Week	Max.Marks Theory
I	Applied Phycology and Mycology	4	2 & 1 credit	100
II	Gymnosperms and Embryology	4	2 & 1 credit	100
III	Plant Anatomy and Palynology	4	2 & 1 credit	100
IV	Plant Physiology	4	2 & 1 credit	100
V	Human Values and Professional Ethics (Add on Paper)	2 credits.	-	50Marks. Based on Concept.

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

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

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

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BOS IN BOTANY

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CHAIRMAN  
B.O.S. IN BOTANY  
O. U. HYD.

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

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Anwarul Uloom P.G. College (Autonomous)  
M.Sc. Botany Scheme of Papers & Examinations

Semester III

Paper	Title	Theory Hrs/Week	Practical Hrs/Week	Max.Marks Theory
I	Cell Biology, Genetics and Biostatistics	4	2 & 1 credit	100
II	Environmental Pollution and Protection	4	2 & 1 credit	100
III	Cytogenetics	4	2 & 1 credit	100
IV	Genetics	4	2 & 1 credit	100 + 50 Viva
V	IDE Course : Seed Technology	2 hrs.	2 credits	50Marks. Based on Concept.

Semester IV

Paper	Title	Theory Hrs/Week	Practical Hrs/Week	Max.Marks Theory
I	Ecology & Phytogeography	4	2 & 1 credit	100
II	Horticulture and Plant Breeding	4	2 & 1 credit	100
III	Molecular Genetics & Recombinant DNA Technology	4	2 & 1 credit	100
IV	Project Work	4	4 credits	100 + 50 Viva
V	IDE Course : Polyhouse Technology	2 hrs.	2 credits	50Marks. Based on Concept.

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CHAIRMAN  
B.O.S. IN BOTANY  
O. U. HYD.

*[Signature]*  
Professor & Head  
Department of Botany  
Sri Mania University  
Hyderabad-500 007

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**DEPARTMENT OF BOTANY,  
OSMANIA UNIVERSITY  
M.Sc. BOTANY (CBCS)  
(Effective from Academic Year 2018-2019)**

**Semester-I**

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

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CHAIRMAN  
B.O.S. IN BOTANY  
O. U. HYD.

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*[Signature]*  
Professor & Head  
Department of Botany  
Osmania University  
Hyderabad-500 087

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Semester-II

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

*Jadee*  
 CHAIR PERSON  
 B.O.S. in Botany

*Arman*  
 CHAIRMAN  
 B.O.S. IN BOTANY  
 O. U. HYD.

*Prof. ...*  
 Professor  
 Department of Botany  
 Osmania University  
 Hyderabad-500 007

*B. Krishna Rao*

*G. ...*

*Raja*

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**SEMESTER - III**

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

**CHAIR PERSON  
B.O.S. IN Botany**

**CHAIRMAN  
B.O.S. IN BOTANY  
O. U. HYD.**

**Professor & Head  
Department of Botany  
Osmania University  
Hyderabad-500 007**

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**SEMESTER - IV**

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

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

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

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

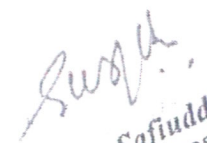
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 O. U. HYD.

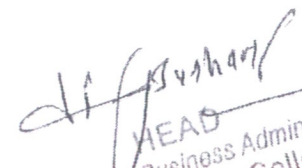
CHAIRPERSON  
 B.  
 Department of Botany  
 Osmania University  
 Hyderabad-500 007  
 Professor & Head



## SEMESTER I

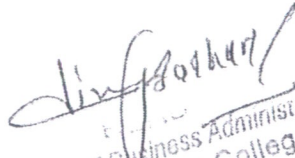
Sl.No	Code	Course Title	Course Type	Sem Exam	IA	Total	THPW	Credits
1	BBA101	Business Organization and Management	CC-1	35	15	50	5Hrs	5
2	BBA102	Business Economics (Micro)	CC-2	35	15	50	5Hrs	5
3	BBA103	Financial Accounting- I	CC-3	35	15	50	5Hrs	5
4	BBA104	Information Technology	CC-4	35	15P	50	4T + 2P	5
5	AECC1	Environmental Studies	AECC-1	35	15	50	2Hrs	2
		<b>Total</b>					<b>22</b>	<b>22</b>

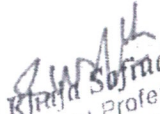
  
**Dr. Syed Khaja Safiuddin**  
Senior Assistant Professor  
Department of Management  
Maulana Azad National University  
Gachipowli, Hyderabad.

  
**HEAD**  
Department of Business Administration  
Anwarul Uloom College  
New Malleshpally, Hyderabad-01

SEMESTER-II

6	BBA201	Organisational Behaviour	CC-5	35	15	50	5Hrs	5
7	BBA202	Financial Accounting- II	CC-6	35	15	50	5Hrs	5
8	BBA203	Business Economics (Macro)	CC-7	35	15	50	5Hrs	5
9	BBA204	Rational Data Base Management System	CC-8	35	15P	50	4T + 2P	5
10	AECC2	Gender Sensitization	AECC 2	35	15	50	2Hrs	2
		<b>Total</b>					<b>22</b>	<b>22</b>

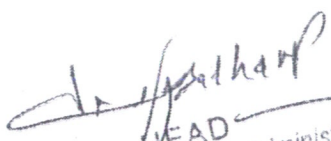
  
Department of Business Administration  
Anwarul Uloom College  
New Mallepally, Hyderabad-01

  
Dr. Syed Khalid Sofraddin  
Senior Assistant Professor  
Department of Management  
Maulana Azad National Urdu University  
Gachibowli, Hyderabad.

SECOND YEAR

SEMESTER III

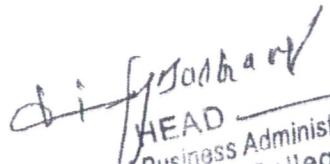
11	BBA301	Principles of Marketing	CC-9	35	15	50	5Hrs	5
12	BBA302	Advanced Accounting	CC-10	35	15	50	5Hrs	5
13	BBA303	Business Statistics-I	CC-11	35	15	50	5Hrs	5
14	BBA304	Direct Tax	CC-12	35	15	50	5Hrs	5
15	Add on	Recreation and Leisure Time Management	EC-2	35	15	50	2Hrs	2
		<b>Total</b>					<b>22</b>	<b>22</b>

  
HEAD  
Department of Business Administration  
Anwarul Uloom College  
New Malleshpally, Hyderabad-01



### SEMESTER-IV

16	BBA401	Accounting for Management	CC-13	35	15	50	5Hrs	5
17	BBA402	Business Statistics-II	CC-14	35	15	50	5Hrs	5
18	BBA403	Banking and Insurance	CC-15	35	15	50	5Hrs	5
19	BBA404	Accounting Packages	CC-16	35	15	50	3T + 2P	5
20	IDE	Creativity and Innovation Management	EC - 2	35	15	50	2Hrs	2
21	CVW	NCC/ NSS/ Sports	EC-2	-	-	No Exam	Certificate	2
22	EVS	Environmental Science	FC-2	35	15	50	2Hrs	2
		<b>Total</b>					<b>26</b>	<b>26</b>

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



**STRUCTURE OF B.COM.(General) DEGREE COURSE w.e.f. ACADEMIC YEAR 2018 onwards**

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

*[Signature]*

HEAD  
BOARD OF STUDIES IN COMMERCE  
ANANTHULU COLLEGE  
AFFILIATED TO OSmania UNIVERSITY  
HYDERABAD-500 001 (T.S.)

*[Signature]*

CHAIRMAN

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

B.Com. (CBCS)  
(w.e.f. 2018-19)

Faculty of Commerce, AUC

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

*[Signature]*

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**STRUCTURE OF B.COM.(Comp Appl) DEGREE COURSE w.e.f. ACADEMIC YEAR 2018 onwards**

FIRST YEAR:

SEMESTER-I:

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

SEMESTER-II:

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

SECOND YEAR:

SEMESTER-III

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

SEMESTER-IV:

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

*Vijay Kumar*

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

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B.Com. (CBCS)  
(w.e.f. 2018-19)

Faculty of Commerce, AUC

STRUCTURE OF B.COM. (E-Comm) DEGREE COURSE w.e.f. ACADEMIC YEAR 2018 onwards								
FIRST YEAR:								
SEMESTER - I								
Sl. No	Code	Course Title	Course Type	Sem Exam	IA	Total	THPW	Credits
1	BC101	Environmental Studies	AECC-1	35	15	50	2Hrs	2
2	BC102	English	CC-1A	35	15	50	5 Hrs	5
3	BC103	Second Language	CC-2A	35	15	50	5 Hrs	5
4	BC104	Financial Accounting- I	DSC-1A	35	15	50	5 Hrs	5
5	BC105	Business Economics	DSC-2A	35	15	50	5 Hrs	5
6	BC106	Business Organization	DSC-3A	35	15	50	4 Hrs	4
7	BC107	Information Technology	DSC-4A	35	15P*	50	3T+2P*	4
		<b>Total</b>					<b>30</b>	<b>30</b>
SEMESTER - II:								
8	BC201	Gender Sensitization	AECC-2	35	15	50	2Hrs	2
9	BC202	English	CC-1B	35	15	50	5 Hrs	5
10	BC203	Second Language	CC-2B	35	15	50	5 Hrs	5
11	BC204	Financial Accounting- II	DSC-1B	35	15	50	5 Hrs	5
12	BC205	Managerial Economics	DSC-2B	35	15	50	5 Hrs	5
13	BC206	Principles of Management	DSC-3B	35	15	50	4 Hrs	4
14	BC207	Relational Database Management System	DSE-2B	35	15P*	50	3T+2P*	4
		<b>Total</b>					<b>30</b>	<b>30</b>

*Vijay Kumar*

PROFESSOR  
ANNA PULLECHERLA  
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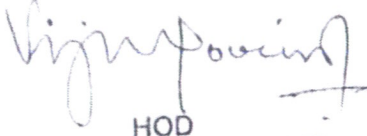


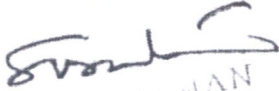
*Suresh*  
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B.Com. (CBCS)  
(w.e.f. 2018-19)

Faculty of Commerce, AUC

SECOND YEAR:								
SEMESTER-III								
15	BC301	Principles of Insurance	SEC-1	35	15	50	2Hrs	2
16	BC302	English	CC-1C	35	15	50	5 Hrs	5
17	BC303	Second Language	CC-2C	35	15	50	5 Hrs	5
18	BC304	Advanced Accounting	DSC-1C	35	15	50	5 Hrs	5
19	BC305	Income Tax-I	DSC-2C	35	15	50	5 Hrs	5
20	BC306	Business Statistics-I	DSC-3C	35	15	50	4 Hrs	4
21	BC307	Programming with C	DSE-2A	35	15P*	50	3T+2P*	4
		<b>Total</b>					<b>30</b>	<b>30</b>
SEMESTER-IV:								
22	BC401	Practice of Life Insurance	SEC-2	35	15	50	2Hrs	2
23	BC402	English	CC-1D	35	15	50	5 Hrs	5
24	BC403	Second Language	CC-2D	35	15	50	5 Hrs	5
25	BC404	Corporate Accounting	DSC-1D	35	15	50	5 Hrs	5
26	BC405	Income Tax-II	DSC-2D	35	15	50	5 Hrs	5
27	BC406	Business Statistics-II	DSC-3D	35	15	50	4 Hrs	4
28	BC407	Objective Oriented Programming with C++	DSE-2A	35	15P*	50	3T+2P*	4
		<b>Total</b>					<b>30</b>	<b>30</b>

  
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(w.e.f. 2018-19)

Faculty of Commerce, AUC

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

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## FIRST SEMSTER

Sl.No (1)	Code (2)	Title of the Paper (3)	THPW (4)	Credits (5)	DESE (6)	IA (7)	Assignment (8)	End-Sem. Ment (9)	Total (10)
1	Com 1 : Core - I	Managerial Economics	5	4	3 Hrs	15	5	80	100
2.	Com 2 : Core - II	Principles of Marketing	5	4	3 Hrs	15	5	80	100
3.	Com3: Core -II I	OT & OB	5	4	3 Hrs	15	5	80	100
4.	Com 4 : Elective-I	Specialization **	5	5	3 Hrs	15	5	80	100
5.	Com 5: Elective-II	Specialization **	5	5	3 Hrs	15	5	80	100
	SEMINAR .....		2	1				25*	25
			27	23		75	25	425	525

\*25=15W+10PR

## SECOND SEMESTER:

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

FOURTH SEMESTER:

Sl.No	Code	Title of the Paper	THPW	Credits	DESE	IA	Assignment	End- Sem. Ment	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
17.	Com 16 : Core - I	Quantitative Techniques for Business	5	4	3 Hrs	15	5	80	100

		Decisions							
18.	Com 17: Core – II	Business and Corporate Taxation	5	4	3 Hrs	15	5	80	100
19.	Com 18: Core –II I	Strategic Management	5	4	3 Hrs	15	5	80	100
20.	Com 19 : Elective-I	Specialization **	5	5	3 Hrs	15	5	80	100
21.	Com 20: Elective-II	Specialization **	5	5	3 Hrs	15	5	80	100
22.	Com:21	Project Work	8	4				50VV + 50D	100
	SEMINAR .....		2	1				25*	25
	TOTAL		35	27		75	25	525	625
	GRAND TOTAL		120	100	-	315	135	1850	2300

**25=15W+10PR**

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



2018-19

# 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 Environmental Studies		2 Hrs	1
	II	Paper-II (Theory)	6209	4 Hrs	4
		Paper-II (Practicals)	6209 P	2 Hrs	1
		AECC-II Gender Sensitization		2 Hrs	2
II	III SEC-I	Paper-I (Theory) <i>Safety Rules in chemistry lab</i>	6309	4 Hrs	4
		Paper-II (Practicals) <i>lab reagent</i>	6309P	2 Hrs	1
		Add on: Soaps & Detergents	A6309	2 Hrs	1
	IV	Paper-IV (Theory)	6409	4 Hrs	4
		Paper-IV (Practicals) <i>soaps</i>	6409P	2 Hrs	1
		IDE: Industrial Chemistry	I6409	2 Hrs	1
	V SEC-II (changed by AUC)	Paper V (Theory)	6509	4 Hrs	4
		Paper - VA (Elective) <i>Industrial Chemistry</i>	6509A	4 Hrs	4
		Paper- VB (Elective) <i>Ind. chem catalysis</i>	6509B	4 Hrs	4
		Paper -V- P-1 (Practicals)	6509V-	2 Hrs	1
Paper- V- P-2 (Practicals)		P1	2 Hrs	1	
Add-on: Water Technology		6509V-P2	2 Hrs	1	
A6509					
VI SEC-III <i>Materials &amp; their appl.</i> GE-I III <i>Pharmaceuticals</i>	Paper-VI (Theory)	6609	4 Hrs	4	
	Paper - VIA (Elective) <i>Medicinal chem</i>	6609A	4 Hrs	4	
	Paper- VIB (Elective) <i>Agri. &amp; food chem</i>	6609B	4 Hrs	4	
	Paper - VI-P1 (Practicals)	I 6609VI-	2 Hrs	1	

Paper VI P. 2 (Practical)

III. Fuel Chemistry

P1

2 Hrs

1

6609VI-

2 Hrs

1

P2

16609

1/1/10

Ch. Sankar



# ANWARUL ULOOM COLLEGE (AUTONOMOUS)

(An Autonomous Muslim Minority Institute)  
New Malicpally, Hyderabad - 500 001, T.S., India.  
(Affiliated to Osmania University)

## Department of Chemistry Paper Titles & Marks Details (Course Structure & Scheme of Examination)

Sl. No	Paper No	Code No	Title	Hours /week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exan
						Max	Min			
<b>M.Sc. I-Year, I-Semester (CBCS)</b>										
<b>Theory</b>										
1	I	511	Inorganic Chemistry	4 Hrs	20	80	32	100	4	3 Hrs
2	II	512	Organic Chemistry	4 Hrs	20	80	32	100	4	3 Hrs
3	III	513	Physical Chemistry	4 Hrs	20	80	32	100	4	3 Hrs
4	IV	514	Analytical Techniques and Spectroscopy-I	4 Hrs	20	80	32	100	4	3 Hrs
5		116	IDE: Communicative English & Soft Skills	2 Hrs	10	40	20	-	2	3 Hrs
<b>Practicals</b>										
5		515 P	Inorganic Chemistry	6 Hrs	-	75	38	75	3	3 Hrs
7		516 P	Organic Chemistry	6 Hrs	-	75	38	75	3	3 Hrs
8		517P	Physical Chemistry	6 Hrs	-	75	38	75	3	3 Hrs
9			<b>Total</b>	<b>36 Hrs</b>				<b>625</b>	<b>25</b>	
<b>M.Sc. I-Year, II-Semester (CBCS)</b>										
<b>Theory</b>										
1	I	521	Inorganic Chemistry	4 Hrs	20	80	32	100	4	3 Hrs
2	II	522	Organic Chemistry	4 Hrs	20	80	32	100	4	3 Hrs
3	III	523	Physical Chemistry	4 Hrs	20	80	32	100	4	3 Hrs
4	IV	524	Analytical Techniques and Spectroscopy-II	4 Hrs	20	80	32	100	4	3 Hrs
5		126	IDE: Human Values & Professional Ethics	2 Hrs	-	50	20	-	2	2 Hrs
<b>Practicals</b>										
6		525 P	Inorganic Chemistry	6 Hrs	-	75	38	75	3	3 Hrs
7		526 P	Organic Chemistry	6 Hrs	-	75	38	75	3	3 Hrs
8		527 P	Physical Chemistry	6 Hrs	-	75	38	75	3	3 Hrs
9			<b>Total</b>	<b>36 Hrs</b>				<b>625</b>	<b>25</b>	

*lsh*  
Head of the Department

*lsh*

*Ch. Sarada Devi*



# ANWARUL ULOOM COLLEGE (AUTONOMOUS)

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New Mallepally, Hyderabad - 500 001, T.S., India  
(Affiliated to Osmania University)

## Department of Chemistry Paper Titles & Marks Details (Course Structure & Scheme of Examination)

S No.	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam
						Max	Min			
<b>M.Sc. II – Year, III – Semester (CBCS)</b>										
<b>Theory</b>										
1	I	531	Synthetic Reagents, Confirmational Analysis and ORD	4 Hrs	20	80	32	100	4	3 Hrs
2	II	532	Modern Organic Synthesis	4 Hrs	20	80	32	100	4	3 Hrs
3	III	533	Bio Organic Chemistry	4 Hrs	20	80	32	100	4	3 Hrs
4	IV	534	Green Chemistry and Organic Materials	4 Hrs	20	80	32	100	4	3 Hrs
5		535	IDE : Bio – Technology & Health Care	2 Hrs	10	40	20	50	2	2 Hrs
			Seminar	2 Hrs	-	25	-	25	1	2 Hrs
<b>Practicals</b>										
6		536P	Synthesis Of Organic Molecules, Isolation of Natural Products and TLC	6 Hrs	-	100	50	100	4	3 Hrs
7		537P	Synthesis & Analysis of Drugs & Column Chromatography	6 Hrs	-	100	50	100	4	3 Hrs
8			<b>Total</b>	<b>32 Hrs</b>				<b>625</b>	<b>25</b>	

Department

Head of the

# ANWARUL ULOOM COLLEGE (AUTONOMOUS)

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## Department of Chemistry Paper Titles & Marks Details (Course Structure & Scheme of Examination)

S No.	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam
						Max	Min			
<b>M.Sc. II – Year, IV – Semester (CBCS)</b>										
		Theory								
1	I	541	Drug design and drug discovery	4 Hrs	20	80	32	100	4	3 hrs
2	II	542	Drug Synthesis and Mechanism of Action	4 Hrs	20	80	32	100	4	3 Hrs
3	III	543	Advance Heterocyclic Chemistry	4 Hrs	20	80	32	100	4	3 Hrs
4	IV	544	Advance Natural Products	4 Hrs	20	80	32	100	4	3 Hrs
5		545	IDE : Food Micro – Biology	2 hrs	10	50	20	50	2	2 Hrs
			Seminar	2 Hrs	-	25	-	25	1	2 Hrs
			Practicals							
6		546 P	Spectroscopic identification of Organic Compounds and Practice of Chemistry Software Programmes	6 Hrs	-	100	50	100	4	3 Hrs
7		547 P	Project work	3 weeks	-	100	50	100	4	3 Hrs
8			Total					625	25	





# ANWARUL ULOOM COLLEGE ( AUTONOMOUS )

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

## 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) W.E.F. 2018-19</b>										
<b>Theory</b>										
1	I	0106	English	4 Hrs	15	35	14	50	4	2 Hrs
2	II	7141	Mathematics - I	4 Hrs	15	35	14	50	4	2 Hrs
3	III	7142	Electrical Circuits & Machines	4 Hrs	15	35	14	50	4	2 Hrs
4	IV	7143	Introduction to Information Technology	4 Hrs	15	35	14	50	4	2 Hrs
5	V	7144	Programming in C	4 Hrs	15	35	14	50	4	2 Hrs
6	VI	A7145	AECC-I: Environmental Studies	2 Hrs	-	50	20	50	2	2 Hrs
<b>Practicals</b>										
7	VII	7142P	ECM Lab	2 Hrs	—	25	13	25	1	2 Hrs
8	VIII	7143P	IIT Lab	2 Hrs	—	25	13	25	1	2 Hrs
9	IX	7144P	C Lab	2 Hrs	—	25	13	25	1	2 Hrs
<b>Total</b>				28 Hrs				375	25	
<b>B. Sc. (CSE) I<sup>st</sup> Year, II – Semester (CBCS) W.E.F. 2018-19</b>										
<b>Theory</b>										
1	I	0206	English	4 Hrs	15	35	14	50	4	2 Hrs
2	II	7246	Mathematics - II	4 Hrs	15	35	14	50	4	2 Hrs
3	III	7247	Physics	4 Hrs	15	35	14	50	4	2 Hrs
4	IV	7248	Electronic Devices & Circuits	4 Hrs	15	35	14	50	4	2 Hrs
5	V	7249	Programming in Unix	4 Hrs	15	35	14	50	4	2 Hrs
6	VI	I7250	AECC-II: Gender Sensitization	2 Hrs	-	50	20	50	2	2 Hrs
<b>Practicals</b>										
7	VII	7247P	Physics Lab	2 Hrs	—	25	13	25	1	2 Hrs
8	VIII	7248P	EDC Lab	2 Hrs	—	25	13	25	1	2 Hrs
9	IX	7249P	Unix Lab	2 Hrs	—	25	13	25	1	2 Hrs
<b>Total</b>				30 Hrs				375	25	

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 ) W.E.F. 2016-17</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	A7355	Add - On Course: M-Commerce	2 Hrs	15	35	14	50	1	2 Hrs
<b>Practicals</b>										
7	VII	7352P	D.L.D Lab	2 Hrs	—	25	13	25	1	2 Hrs
8	VIII	7353P	O. S Lab.	2 Hrs	—	25	13	25	1	2 Hrs
9	IX	7354P	C++ Lab	2 Hrs	—	25	13	25	1	2 Hrs
<b>Total</b>				28 Hrs				375	24	
<b>B. Sc. (CSE) 2<sup>nd</sup> Year, IV - Semester ( CBCS ) W.E.F. 2016-17</b>										
1	I	0406	English	4 Hrs	15	35	14	50	4	2 Hrs
2	II	7456	Probability & Statistics	4 Hrs	15	35	14	50	4	2 Hrs
3	III	7457	Data Structures	4 Hrs	15	35	14	50	4	2 Hrs
4	IV	7458	Microprocessor 8086 & Interfacing	4 Hrs	15	35	14	50	4	2 Hrs
5	V	7459	Java Programming	4 Hrs	15	35	14	50	4	2 Hrs
6	VI	17460	IDE: Basics of Programming	2 Hrs	15	35	14	50	1	2 Hrs
<b>Practicals</b>										
7	VII	7457P	Data Structure Lab	2 Hrs	—	25	13	25	1	2 Hrs
8	VIII	7458P	MP 8086 & Interfacing Lab.	2 Hrs	—	25	13	25	1	2 Hrs
9	IX	7459P	Java Programming Lab	2 Hrs	—	25	13	25	1	2 Hrs
<b>Total</b>				30 Hrs				375	24	

Head of the Department



# ANWARUL ULOOM COLLEGE (AUTONOMOUS)

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(Affiliated to Osmania University)

## 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 (CBCS) W.E.F. 2017-18</b>										
<b>Theory</b>										
1	I	7561	Computer Network	6 Hrs	30	70	28	100	6	3 Hrs
2	II	7562	Compiler Construction	6 Hrs	30	70	28	100	6	3 Hrs
3	III	7563	Embedded Systems	6 Hrs	30	70	28	100	6	3 Hrs
4	IV	7564	Modern Database Management System	6 Hrs	30	70	28	100	6	3 Hrs
5	V	A7565	Add-On: Software Engineering	2 Hrs	15	35	14	50	1	2 Hrs
<b>Practicals</b>										
6	VI	7563P	Embedded System Lab	2 Hrs		50	25	50	2	3 Hrs
7	VII	7564P	DBMS-Lab	2 Hrs		50	25	50	2	3 Hrs
			<b>Total</b>	30 Hrs				550	29	
<b>B. Sc. (CSE) 3<sup>rd</sup> Year, VI – Semester (CBCS) W.E.F. 2017-18</b>										
1	I	7666	Network Security	6 Hrs	30	70	28	100	6	3 Hrs
2	II	7667	Web programming	6 Hrs	30	70	28	100	6	3 Hrs
3	III	7668	Client Sever Programming	6 Hrs	30	70	28	100	6	3 Hrs
4	IV	I7670	IDE: Basic Web Designing	2 Hrs	15	35	14	50	1	2 Hrs
<b>Practicals</b>										
5	V	7667P	Web Programming - Lab	2 Hrs	-	50	25	50	2	3 Hrs
6	VI	7668P	C S P though Java Lab	2 Hrs	-	50	25	50	2	3 Hrs
7	VII	7670P	Project & Seminar	6 Hrs		100	50	100	6	3 Hrs
			<b>Total</b>					600	29	

Head of the Department



## ANWAR UL ULOOM COLLEGE

(An Autonomous Muslim Minority Institution, Affiliated to Osmania University)  
New Mallapally, Hyderabad-1

### DEPARTMENT OF COMPUTER SCIENCE

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

Class	Semester	Course/Paper	Code No	Teaching Hours Per week	No of Credits
B.Sc. First Year (w.e.f. 2018-19)	I	Paper - I (Theory) Programming in C	6110	4 hrs	4
		Paper - I (C-LAB) AECC-I	6110P	2 hrs	1
		Environmental Studies	A6110	2 hrs	2
	II	Paper - II (Theory) Programming in C++	6210	4 hrs	4
		Paper -II (C++-LAB) AECC-II	6210P	2 hrs	1
		Gender Sensitization	A6210	2 hrs	2
B.Sc. Second Year (w.e.f. 2016-17)	III	Paper -III (Theory) Programming in Java	6310	4 hrs	4
		Paper -III(Java-LAB) Add-on (SEC)	6310P	2 hrs	1
		M-Commerce	A6310	2hrs	1
	IV	Paper -IV (Theory) Data Structure	6410	4 hrs	4
		Paper -V(DS- LAB) IDE	6410P	2 hrs	1
		Basics Of Programming	I6410	2 hrs	1
B.Sc. Third Year (w.e.f. 2018-19)	V	Paper -V A-DMBS	6510	4 hrs	4
		Paper -VA(DBMS-LAB)	6510P	2 hrs	1
		Paper -VB-Operating Sys	6511	4 hrs	4
		Paper -VB(OS-LAB)	6511P	2 hrs	1
		Add-on (SEC) Software Engineering	A6512	2 hrs	1
	VI	Paper -VI-A Web Tech.	6610	4 hrs	4
		Paper -VI-A (Web-LAB)	6610P	2 hrs	2
		Paper -VI-B Comp Net.	6611	4 hrs	4
		Paper -VI B(CN-LAB) IDE	6611P	2 hrs	2
		Basic Web Designing	I6610	2 hrs	1

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**CHAIRMAN**

Board of Studies in Computer Science

In-charge of ENGG  
Dept. of C.S. & I.T.  
Anwar Ul Uloom College,  
New Mallapally, A.P.



B.A. (ECONOMICS) I<sup>ST</sup> YEAR

SEMESTER – Ist & IInd

(2018-19)

COURSE STRUCTURE

CHOICE BASED CREDIT SYSTEM PATTERN

Code	Name Of The Paper	Scheme Of Instruction/Hours Per Week	Credit	Scheme Of Examination	
				Internal Assessment Marks	Semester Examination Marks
<b>SEMESTER - I</b>					
1111	Micro-Economics	5 Hours	4	15	35
<b>ADD ON COURSE</b>					
A1111	Taxation	2 Hours	1	15	35
<b>SEMESTER - II</b>					
1211	Micro Economics	5 Hours	4	15	35
<b>IDE</b>					
I1211	Public Finance	2 Hours	1	15	35

*[Signature]*  
Head  
Department of Economics  
Osmania University, Hyd-7.

*[Signature]*  
Chairman  
Board of Studies  
Department of Economics  
Osmania University, Hyd-7.

B.A. (ECONOMICS) IIInd year

SEMESTER – IIIrd & IVth

(2018-19)

COURSE STRUCTURE

CHOICE BASED CREDIT SYSTEM PATTERN

Code	Name Of The Paper	Scheme Of Instruction/Hours Per Week	Credit	Scheme Of Examination	
				Internal Assessment Marks	Semester Examination Marks
<b>SEMESTER -III</b>					
1111	Micro-Economics	5Hours	4	15	35
<b>SEMESTER - IV</b>					
A1111	Money and Banking	2 Hours	1	15	35
<b>SEMESTER - IV</b>					
1211	Public Economics	5 Hours	4	15	35
I1211	Environmental Economics	2 Hours	1	15	35

*[Signature]*  
Head  
Department of Economics  
Osmania University, Hyd-7.

*[Signature]*  
Chairman  
Board of Studies  
Department of Economics  
Osmania University, Hyd-7.



B.A. (ECONOMICS) IIIrd year

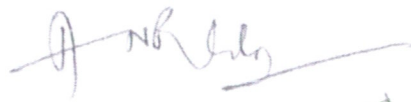
SEMESTER – Vth & VIth

(2018-19)

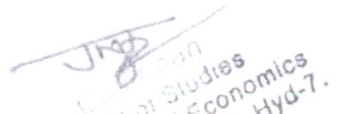
COURSE STRUCTURE

CHOICE BASED CREDIT SYSTEM PATTERN

Code	Semester	Name Of The Paper	Scheme Of Instruction/Hours Per Week	Credit	Scheme Of Examination	
					Internal Assessment Marks	Semester Examination Marks
		<b>SEMESTER – V</b>				
	V(A)	Indian Economy	5 Hours	4	15	35
	V(B)	Public Finance	5 Hours	4	15	35
		<b>SEMESTER – VI</b>				
	VI(A)	Indian Economy	5 Hours	4	4	35
	VI(B)	Public Finance & International Economics	5 Hours	4	4	35



Head  
Department of Economics  
Osmania University, Hyd-7.

  
Board of Studies  
Department of Economics  
Osmania University, Hyd-7.



**Anwarul Uloom College (Autonomous)**  
**(An Autonomous Muslim Minority Institution)**  
**New Mallepally, Hyd**  
**(Affiliated to Osmania University,.)**  
**Department Of Economics**  
**M.Ā.(Economics) Course Structure**  
**(Choice Based Credit System)**  
**(2018– 2019)**

**MASTER STRUCTURE**

**SEMESTER – I**

Paper Code	Name Of The Paper	Scheme Of Instructions (Hours Per Week)	Credits	Scheme Of Examination		
				Internal Assessment Marks	Semester Exam Marks	Total
101	Micro Economics Analysis-I	5	5	20	80	100
102	Macro Economics Analysis -I	5	5	20	80	100
103	Quantitative Methods- I	5	5	20	80	100
104	Agricultural Economics-I Or Computer Applications-I	5 (4)	5	20	80	100
105	Economics Of Social Sector-I Or Financial Economics -I	5 (4)	5	20	80	100
	<b>TOTAL</b>	25	25	100	400	500
	<b>Add On Course</b>					
106	Communicative English & Soft Skills	30 Hrs .Per Paper	2		50	50

# ANWARUL ULOOM COLLEGE (Autonomous)

(Affiliated to Osmania University)

New Mallepally, Hyderabad. T.S

## COURSE STRUCTURE

### SEMESTER – II

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

Notation: IA-Internal Assessment

Note :

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

  
Professor  
Department of Economics  
Anwarul Uloom College, Hyderabad

Anwarul Uloom College (Autonomous)  
 (An Autonomous Muslim Minority Institution)  
 New Mallepally, Hyd  
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 Department Of Economics  
 M.A.(Economics) Course Structure  
 (Choice Based Credit System)


(2018– 2019)

MASTER STRUCTURE

SEMESTER – III

Paper Code	Name Of The Paper	Scheme Of Instructions (Hours Per Week)	Credits	Scheme Of Examination		Total
				Internal Assessment Marks	Semester Exam Marks	
301	Econometrics - I	5	5	20	80	100
302	International Economics -I	5	5	20	80	100
303	Public Economics - I	5	5	20	80	100
304	Industrial Economics – I Or Agri – Business - I	5	5	20	80	100
305	Demography - I Or Development Economics - I	5	5	20	80	100
	<b>TOTAL</b>	25	25	100	400	500
	<b>IDE Course</b>					
306	Telangana Economy	30 Hrs Per Paper	2		50	50

  
 Head  
 Department of Economics  
 Osmania University, Hyd-7.

  
 Chairman  
 Board of Studies  
 Department of Economics  
 Osmania University, Hyd-7.



## SEMESTER – IV

Paper Code	Name Of The Paper	Scheme Of Instructions (Hours Per Week)	Credits	Scheme Of Examination		Total
				Internal Assessment Marks	Semester Exam Marks	
401	Econometrics - II	5	5	20	80	100
402	Indian Economy - II	5	5	20	80	100
403	Environmental Economics - II	5	5	20	80	100
404	Industrial Economics – II Or Agri – Business - II	5	5	20	80	100
405	Economics Of Insurance Or Telangana Economy	5	5	20	80	100
	<b>TOTAL</b>	25	25	100	400	500
	<b>IDE Course</b>					
406	Indian Economy And Development	30 Hrs Per Paper	2		50	50

### Notation:

### IA-Internal Assessment ; SEM- Semester

1. Note :For each papers there will be semester examination for 80 marks and 20 marks for Internal Assessment.

15 marks for Internal Assessment and 5 marks for Assignment in the subject, average of two shall be considered for the award of marks.

Chairman  
Board of Studies  
Department of Economics  
Osmania University, Hyd-1.

Department of Economics  
Osmania University, Hyd-1.

2018-2019

**ANWAR UL ULOOM COLLEGE**

(An Autonomous Muslim Minority Institution, Affiliated to Osmania University)

New Mallapally, Hyderabad-1

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

Class	Semester	Course/Paper	Code No	Teaching Hours Per week	No of Credits
1st Year	I	Paper - I (Theory) Circuit Analysis	6112	4 hrs	4
		Paper - I (CA-LAB) AECC-I	6112P	2 hrs	1
		Environmental Studies	A6112	2 hrs	2
	II	Paper - II (Theory) Electronic Devices	6212	4 hrs	4
		Paper - II (ED-LAB) AECC-II	6212P	2 hrs	1
		Gender Sensitization	A6212	2 hrs	2
2nd Year	III	Paper -III (Theory) Power Supplies & Analog Circuits	6312	4 hrs	4
		Paper -III(PS & AC-LAB) Add-on (SEC)	6312P	2 hrs	1
		Digital Signal Processing	A6312	2hrs	1
	IV	Paper -IV (Theory) Applications of operational Amplifier and Communication	6412	4 hrs	4
		Paper -V(DS- LAB) IDE	6412P	2 hrs	1
		Modern Communication system	16412	2 hrs	1
3rd Year	V	Paper -V A-Digital Electronics	6512	4 hrs	4
		Paper -VA(DE-LAB)	6512P	2 hrs	1
		Paper -VB- Microprocessor 8085	6513	4 hrs	4
		Paper -VB(MP-LAB) Add-on (SEC)	6513P	2 hrs	1
		PIC & ATME1. Microcontrollers	A6512	2 hrs	1

*S. Hanumanth*  
Professor  
Physics Department  
University College of Sciences  
Osmania University, Hyd-7

*Chandrababu*  
Head of the Dept. of Electronics.  
Anwar-ul-uloom College, Mallapally  
Hyderabad.

		Paper -VI-A <b>Fundamental of Embedded Systems</b>	6612	4 hrs	4
		Paper -VI-A (ES-LAB)	6612P	2 hrs	2
		Paper -VI-B <b>Microcontroller-8051</b>	6613	4 hrs	4
	VI	Paper -VI B(MP 8051- LAB) <b>IDE</b>	6613P	2 hrs	2
		<b>Microprocessor and Microcontroller</b>	16612	2 hrs	1

*Syn haizman*  
 Professor  
 Physics Department  
 University College of Sciences  
 Osmania University, Hyd-7.

*Char Afshar*  
 Head of the Dept of Electronics,  
 Anwar-ul-uloom College, Mallepally  
 Hyderabad.



Faculty of Science/Arts/Commerce/Bachelor of Business Administration

**COURSE STRUCTURE****Semester: I**

Paper Code	Course Paper	Teaching Hrs per week	Credits	Internal Assessment	External	Total Marks
0106	Paper I: Poetry, Prose, Grammar, Language Work	5 hrs	5	15	35	50
A0106	<u>Introduction to English Grammar</u> (Speaking Skills Reading Skills Writing Skills Listening Skills)	2 Hrs	1	15	35	50

**Semester II**

0206	Paper II: Poetry, Prose, Grammar, Language Work	5 hrs	5	15	35	50
IDE020	Business Communication Skills	2 hrs	1	15	35	50

Faculty of Science/Arts/Commerce/Bachelor of Business Administration

**COURSE STRUCTURE****Semester: III**

Paper Code	Course Paper	Teaching Hrs per week	Credits	Internal Assessment	External	Total Marks
1306	<b>Paper I:</b> Poetry, Prose, Grammar, Language Work	5 hrs	5	15	35	50
2306	<u>Introduction to English Grammar II</u> (Speaking Skills Reading Skills Writing Skills Listening Skills)	2 Hrs	1	15	35	50

**Semester IV**

3406	<b>Paper II:</b> Poetry, Prose, Grammar, Language Work	5 hrs	5	15	35	50
3406	Advance Business Communication Skills	2 hrs	1	15	35	50

Anwarul Uloom College  
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M.A Previous (CBCS) Semester I/II

2018-19

(Course Structure & Scheme of Examinations)

Paper No.	Code No.	Title	Hours/Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
					Max.	Min.			
M. A. English 1 <sup>st</sup> Year, I – Semester (CBCS)									
I	101	The English Language: History, Description and Practice	5 Hrs	20	80	32	100	5	3 Hrs
II	102	English Poetry	5 Hrs	20	80	32	100	5	3 Hrs
III	103	English Drama	5 Hrs	20	80	32	100	5	3 Hrs
IV	104	English Language and Phonetics	5 Hrs	20	80	32	100	5	3 Hrs
V	105	Modern Indian Literatures in Translation	5 Hrs	20	80	32	100	5	3 Hrs
		Total	25 Hrs				500	25	
M. A. English 1 <sup>st</sup> Year, II – Semester (CBCS)									
I	201	English Language Teaching :History, Approaches and Methods	5 Hrs	20	80	32	100	5	3 Hrs
II	202	English Prose	5 Hrs	20	80	32	100	5	3 Hrs
III	203	English Fiction	5 Hrs	20	80	32	100	5	3 Hrs
IV	204	Women's writing	5 Hrs	20	80	32	100	5	3 Hrs
V	205	Twentieth Century Literary Criticism and Theory	5 Hrs	20	80	32	100	5	3 Hrs
		Total	25 Hrs				500	25	

Tutorials: 2hours per week- No Credits

Notes:

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



**Anwarul Uloom College**  
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**M.A Final (CBCS) Semester III/IV**

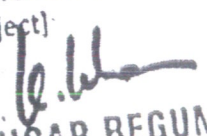
(Course Structure & Scheme of Examinations)

No	Paper No.	Code No.	Title	Hours / Week	Internals 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	5 Hrs	20	80	32	100	5	3 Hrs
2	II	302	American Literature—I	5 Hrs	20	80	32	100	5	3 Hrs
3	III	303	Indian Writing in English—I	5 Hrs	20	80	32	100	5	3 Hrs
4	IV	304	Postcolonial Literatures	5 Hrs	20	80	32	100	5	3 Hrs
5	V	305	Literature and Film	5 Hrs	20	80	32	100	5	3 Hrs
			<b>Total</b>	<b>25 Hrs</b>				<b>500</b>	<b>25</b>	
<b>M. A. English 2<sup>nd</sup> Year, IV – Semester (CBCS)</b>										
1	I	401	English Language Teaching: History, Approaches and Methods	5 Hrs	20	80	32	100	5	3 Hrs
2	II	402	English Prose	5 Hrs	20	80	32	100	5	3 Hrs
3	III	403	English Fiction	5 Hrs	20	80	32	100	5	3 Hrs
4	IV	404	Women's writing	5 Hrs	20	80	32	100	5	3 Hrs
5	V	405	Twentieth Century Literary Criticism and Theory	5 Hrs	20	80	32	100	5	3 Hrs
			<b>Total</b>	<b>25Hrs</b>				<b>500</b>	<b>25</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)

  
**Dr. KAUSAR BEGUM KHAN**  
 HOD Dept of English  
 ANWAR UL-ULOOM COLLEGE  
 NEW MALLEPALLY, HYD



## ANWARUL ULOOM COLLEGE (Autonomous)

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



**Faculty of Social Sciences**

**Department of History**

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

**(2018 – 19)**

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

**( Approved Syllabus for the Academic Year 2018 – 19 )**

S. No.	Year	Sem.	Paper	Title	Code No.	Inter. Marks	Sem. Marks	Teaching hours	Credits
1	1 <sup>st</sup> Year	I	I	History of India (from earliest times to 700 CE)	1113	15	35	5 Hrs	5
2			AECC - I	Environmental Studies		15	35	2 Hrs	2
3	1 <sup>st</sup> Year	II	II	History of India (from 700 – 1526 CE)	1213	15	35	5 Hrs	5
4			AECC - II	Gender Sensitization		15	35	2 Hrs	2
5	2 <sup>nd</sup> Year	III	III	History of India (from 1526 – 1857 CE)	1313	15	35	5 Hrs	4
6			Add-on	History and Culture of Telangana (1500 – 2014 CE)		15	35	2 Hrs	1
7	2 <sup>nd</sup> Year	IV	IV	History of India (from 1858 – 1964 CE)	1413	15	35	5 Hrs	4
8			I D E	History of Tourism In India		15	35	2 Hrs	1
9	3 <sup>rd</sup> Year	V	V A	World History (1453 - 1815 CE)	1513 A	15	35	5 Hrs	4
10			V B	Islamic History & Culture (from earliest times to fall of Umayyads)	1513 B	15	35	5 Hrs	4
11			Add-on	Archives & Museums		15	35	2 Hrs	1
12	3 <sup>rd</sup> Year	VI	VIA	World History (1815 - 1950 CE)	1513 A	15	35	5 Hrs	4
13			VIB	Islamic History & Culture (Rise of Abbasids to Crusades)	1513 B	15	35	5 Hrs	4
14			I D E	History of World Tourism		15	35	2 Hrs	1

*K. K. K.*  
Chairman, Board of Studies  
Dept. of History  
Anwarul-Uloom College  
New Mallepally, Hyderabad

*J. S.*  
LECTURER  
Govt. College for Women  
Hyderabad - T. A. Begumpet, Hyderabad

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### Faculty of Social Sciences

### Department of History

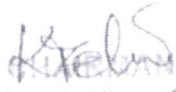
B. A. (History, Political Science & Modern Language – Urdu )

B. A. 2<sup>nd</sup> Year  
(2018 – 19)

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

( Approved Syllabus for the Academic Year 2018 – 19 )

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

  
Board of Studies  
Dept. of History  
Anwarul Uloom College  
New Mallepally, Hyderabad



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### Faculty of Social Sciences

### Department of History

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

B. A. 3<sup>rd</sup> Year  
( 2018 – 19 )

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

( Approved Syllabus for the Academic Year 2018 – 19 )

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

*[Handwritten Signature]*  
Chairman, Board of Studies  
Department of History  
Osmania University, Hyderabad-7. A.P.

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Chairman, Board of Studies  
Department of History  
Osmania University, Hyderabad-7. A.P.

*[Handwritten Signature]*  
LECTORER  
Govt. College for Women  
Begumpet, Hyderabad.



## ANWARUL ULOOM COLLEGE (AUTONOMOUS)

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

### Department of History Paper Titles & Marks Details (2018-19)

(Course Structure & Scheme of Examinations)

S. No.	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
						Max.	Min.			
<b>M. A. 1<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)							
6		116	Add On: Communicative English & Soft Skills	2 Hrs	—	50	20	—	2	2 Hrs
			<b>Total</b>	<b>27 Hrs</b>				<b>500</b>	<b>25</b>	<b>17 Hrs</b>
<b>M. A. 1<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)							
6		126	Add – On Course: HIV & P E / Basics of Computer Science	2 Hrs	—	50	20	—	2	2 Hrs
			<b>Total</b>	<b>27 Hrs</b>				<b>500</b>	<b>25</b>	

*[Signature]*  
Head of the Department

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

*[Signature]*  
Chairman, Board of Studies  
Department of History  
Osmania University, Hyderabad-7, A.P.

*[Signature]*  
GOVT. College for Women  
Begumpet, Hyderabad.



# ANWARUL ULOOM COLLEGE (AUTONOMOUS)

(An Autonomous Muslim Minority Institution)  
New Mallepally, Hyderabad - 500 001, T.S., India.  
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## Department of History Paper Titles & Marks Details (2018-19)

(Course Structure & Scheme of Examinations)

S. No.	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
						Max.	Min.			
<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	IDE Course: Cultural Heritage of India Part - A.	2 Hrs	-	50	20	-	2	2 Hrs
			<b>Total</b>	<b>29 Hrs</b>				<b>500</b>	<b>25</b>	
<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	IDE Course: Cultural Heritage of India - Part B	2 Hrs	-	50	20	-	2	2 Hrs
			<b>Total</b>	<b>27 Hrs</b>				<b>500</b>	<b>25</b>	

Total Credits: 100 & Total Marks: 2,000

Head of the Department

Board of Studies

Department of History

Anwarul Uloom College

New Mallepally

LECTURER

Chairman, Board of Studies

Department of History

Osmania University, Hyderabad-7

Govt. College for Women  
Begumpet, Hyderabad.



2018-2019

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## B.Sc ( Maths, physics chemistry) and MECS ,MPCS programmes

SUBJECT : Mathematics

Semester	Course/paper	Code no	Teaching hours per week	No of credits
I	Paper – I (THEORY) Differential calculus	6114	4hrs	3
	Paper I (Practicals)	6114P	2hrs	1
	Add – on Discrete mathematics	A114	2hrs	1
II	Paper – II (theory ) Differential equations	6214	4hrs	3
	Paper –II (Practicals)	6214P	2hrs	1
	IDE Basic mathematics – I	I6214	2hrs	1
III	Paper III (theory ) Real analysis	6314	4hrs	3
	Paper – III (practicals)	6314P	2hrs	1
	Add – on Graph theory	A6314	2hrs	1
IV	Paper – IV (theory) Algebra	6414	4hrs	3
	Paper – iv (practical)	6414P	2hrs	1
	IDE Basic mathematics – II	I6414	2hrs	1
V	Paper v (theory) Linear algebra	6514	6hrs	4
	Paper – V (Practicals)	6514P	2hrs	2
	Add – on Probability and statistic	A6514	2hrs	1
VI	Paper – VI (Theory) Numerical analysis	6614	6hrs	4
	Paper – VI (Practicals)	6614P	2hrs	2
	IDE Calculus	I6614	2hrs	1

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Department of MATHEMATICS, OU  
Proposed Choice Based Credit System (CBCS)  
M.Sc Applied Mathematics

Semester -I

S.No.	Code No	Paper	Paper Title	Hrs/Week	Internal Assessment	Semester Exam	Total Marks	Credits
1. Core	AM 101	I	Algebra	4	20	80	100	4
2. Core	AM 102	II	Analysis	4	20	80	100	4
3. Core	AM 103	III	Mathematical Methods	4	20	80	100	4
4. Core	AM 104	IV	Mechanics	4	20	80	100	4
5. Practical	AM 151	Practical	Algebra	4	.....	80	100	4
6. Practical	AM 152	Practical	Analysis	4	.....	50	50	2
7. Practical	AM 153	Practical	Mathematical Methods	4	.....	50	50	2
8. Practical	AM 154	Practical	Mechanics	4	.....	50	50	2
9. Add on Course			Communication Skills	2	10	40	50	1
			<b>Total:</b>	<b>32</b>	<b>.....</b>	<b>50</b>	<b>50</b>	<b>2</b>

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Dr. J. S. Ramesh Babu  
Head, Department of Mathematics  
OU, Hyderabad-500 007.

Departemnt of MATHEMATICS,OU  
Proposed Choice Based Credit System (CBCS)  
M.Sc Applied Mathematics 2017-18

Semester -II

S.No.	Code No	Paper	Paper Title	Hrs/Week	Internal Assessment	Semester Exam	Total Marks	Credits
1. Core	AM 201	I	Advanced Algebra	4	20	80	100	4
2. Core	AM 202	II	Advanced Analysis	4	20	80	100	4
3. Core	AM 203	III	Complex Analysis	4	20	80	100	4
4. Core	AM 204	IV	Fluid Mechanics	4	20	80	100	4
5. Practicals	AM 251	Practical	Advanced Algebra	4	....	50	50	2
6. Practicals	AM 252	Practical	Advanced Analysis	4	....	50	50	2
7. Practicals	AM 253	Practical	Complex Analysis	4	....	50	50	2
8. Practicals	AM 254	Practical	Fluid Mechanics	4	....	50	50	2
9. Add on Course			<b>Total:</b>	<b>32</b>				
			Basic of Computer	2	10	40	50	1
								24
								1

Dr. G. Srinivasan  
Department of Mathematics  
Osmania University  
Hyderabad-500007

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Department of MATHEMATICS, **AUC**  
 Proposed Choice Based Credit System (CBCS)  
 M.Sc Applied Mathematics ~~2017-18~~

Semester -III

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S.No.	Code No	Paper	Paper Title	Hrs/Week	Internal Assessment	Semester Exam	Total Marks	Credits
1. Core/Common	AM 301	I	Viscous Flows	4	20	80	100	4
2. Core/Common	AM 302	II	Finite Difference Methods	4	20	80	100	4
3. Elective	AM 303(A)	III(A)	Compressible Flows	4	20	80	100	4
	AM 303(B)	III(B)	Integral Transforms					
	AM 303(C)	III(C)	Differential Geometry					
4. Elective	AM 304(A)	IV(A)	Operations Research	4	20	80	100	4
	AM 304(B)	IV(B)	Numerical Techniques					
	AM 304 (C)	IV(C)	Dynamical Systems					
5. Practicals	AM 351	Practical	Viscous Flows	4	20	80	100	4
6. Practicals	AM 352	Practical	Finite Difference Methods	4	.....	50	50	2
	AM 353 (A)		Compressible Flows	4	.....	50	50	2
7. Practicals	AM 353 (B)		Integral Transforms	4	.....	50	50	2
	AM 353 (C)	Practical	Differential Geometry	4	.....	50	50	2
8. Practicals	AM 354(A)		Operations Research	4	.....	50	50	2
	AM 354 (B)		Numerical Techniques					
	AM 354 (C)	Practical	Dynamical Systems					
<b>Total :</b>				<b>32</b>	<b>80</b>	<b>520</b>	<b>625</b>	<b>24</b>

Department of Mathematics  
 Faculty  
 500 007

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Department of MATHEMATICS, ~~GEE~~ AUC  
 Proposed Choice Based Credit System (CBCS)  
 M.Sc Applied Mathematics 2017-18

Semester -IV

S.No.	Code No	Paper	Paper Title	Hrs/Week	Internal Assessment	Semester Exam	Total Marks	Credits	
1. Core	AM 401	I	Advanced Complex Analysis	4	20	80	100	4	
2. Core	AM 402	II	Finite Element Methods	4	20	80	100	4	
3. Elective	AM 403(A)	III (A)	Integral Equations & Calculus of variations	4	20	80	100	4	
	AM 403(B)	III (B)	MHD						
	AM 403(C)	III (C)	Bio-Mechanics						
4. Elective	AM 404(A)	IV(A)	Functional Analysis	4	20	80	100	4	
	AM 404(B)	IV(B)	Discrete Mathematics						
	AM 404 (C)	IV(C)	Topology						
	AM 404 (D)	IV(D)	Project						
5. Practicals	AM 451	Practical	Advanced Complex Analysis	6	.....	80	100	4	
6. Practicals	AM 452	Practical	Finite Element Methods	4	.....	.....	150	OR 6	
7. Practicals	AM 453 (A)	Practical	Integral Equations & Calculus of variations	4	.....	50	50	6	
	AM 453 (B)			4	.....	50	50	2	
	AM 453 (C)			4	.....	50	50	2	
8. Practicals	AM 454 (A)	Practical	Functional Analysis	4	.....	50	50	2	
	AM 454 (B)								Discrete Mathematics
	AM 454 (C)								
9. Seminar			Seminar						
			<b>Total :</b>	<b>32</b>	<b>80</b>	<b>520</b>	<b>600</b>	<b>24</b>	
							<b>25</b>	<b>1</b>	

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Department of Mathematics  
 Anna University  
 Chennai-600 007.



B.Sc.(Biotechnology, Microbiology & Chemistry)  
 Subject: MICROBIOLOGY (2018-19)

Semester	Course/paper	Code No	Teaching Hours/week	No of credits
I	Paper-I(Theory) General microbiology-I	6115	4hrs	4
	paper-II(prac.) AECC-I Environmental studies	6115p	2hrs	1
		A6115	2hrs	2
II	Paper II(theory) General Microbiology	6215	4hrs	4
	II Paper-II(prac.) AECC-II Gendersensitization	6215p	2hrs	1
		A6215	2hrs	2
III	Paper III(Theory) Microbial physiology & Enzymology paper- III(prac.) Add-on Heamatology	6315	4hrs	4
		6315p	2hrs	1
		A6315	2hrs	2
IV	paper-IV(Theory) microbial genetics & molecular biology	6415	4hrs	4
	paper-IV (prac.) IDE	6415p	2hrs	1
		A6415	2hrs	2
V	Food adulteration Paper-VA(Theory) Applied Microbiology-A	6515A	4hrs	4
	Paper-VA (Prac.) Paper-VB (Theory) Applied Microbiology-B	6515A(Prac.)	2hrs	1
	Paper-VB (Prac.) Add-on Mushroom Cultivation	6515B	4hrs	4
	Paper-VI A(Theory) Medical microbiology A	6515B(Prac.)	2hrs	1
		A6515	2hrs	2
VI	Paper-VI A(Theory) Medical microbiology A	6615A	4hrs	4
	Paper-VIA (Prac.) Paper-VIB(Theory) Immunology B	6615A(Prac.)	2hrs	1
	Paper-VIB (Prac.) IDE Hospital Management	6615B	4hrs	4
		6615B(Prac.)	2hrs	1
		I6615	2hrs	2

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K. Shrinivasan  
 M. Srinivasan  
 S. Srinivasan  
 A. Srinivasan  
 P. Srinivasan



2018-19

Anwarul Uloom College  
 An Autonomous Institution, Affiliated to Osmania University  
 Accredited by 'NAAC' with 'A' Grade

**B.Sc. NUTRITION & DIETETICS**  
**[CHOICE BASED CREDIT SYSTEM (CBCS)]**

FIRST YEAR - SEMESTER I			
Code	Course Title	Course Type	Credits
NZC 101	Environmental Studies	AECC - I	2
NZC 102	English	CC-1A	3
NZC 103	Second Language	CC-1A	3
NZC 104	Nutritional Biochemistry	DSC - 1A	4+1+3
NZC 105	Optional II	DSC - 1A	4+1+3
NZC 106	Optional III	DSC - 1A	4+1+3
<b>TOTAL</b>			<b>22</b>
SEMESTER II			
NZC 201	General Botany	AECC - 2	2
NZC 202	English	CC-1B	3
NZC 203	Second Language	CC-2B	3
NZC 204	Nutrition Through Life Cycle	DSC - 1B	4+1+3
NZC 205	Optional II	DSC - 2B	4+1+3
NZC 206	Optional III	DSC - 3B	4+1+3
<b>TOTAL</b>			<b>22</b>
SECOND YEAR - SEMESTER III			
NZC 301	Food Preservation	SEC - 1	2
NZC 302	English	CC-1C	3
NZC 303	Second Language	CC-2C	3
NZC 304	Introduction to Food	DSC - 1C	4+1+3
NZC 305	Optional II	DSC - 2C	4+1+3
NZC 306	Optional III	DSC - 3C	4+1+3
<b>TOTAL</b>			<b>22</b>
SEMESTER IV			
NZC 401	Food Safety	SEC - 2	2
NZC 402	English	CC-1D	3
NZC 403	Second Language	CC-2D	3
NZC 404	Food Science	DSC - 1D	4+1+3
NZC 405	Optional II	DSC - 2D	4+1+3
NZC 406	Optional III	DSC - 3D	4+1+3
<b>TOTAL</b>			<b>22</b>
THIRD YEAR - SEMESTER V			
NZC 501	Food Controlling System	SEC - 3	2
NZC 502	Diet Therapy - I	DSC - 1E	4+1+3
NZC 503	Optional III	DSC - 2E	4+1+3
NZC 504	Optional III	DSC - 3E	4+1+3
NZC 505	A. Public Health B. Community Nutrition	DSE - 1E	2+1+4
NZC 506	Optional II A/B/C	DSE - 2E	4+1+3
NZC 507	Optional III A/B/C	DSE - 3E	4+1+3
<b>TOTAL</b>			<b>28</b>

MA  
 Board of Studies in Nutrition  
 Osmania University,  
 Hyderabad-500 007.

A. Lakshmi  
 Faculty in Nutrition  
 Dept. of Nutrition  
 P.U.W. 1

MA  
 Head of Section  
 Dept. of Nutrition  
 P.U.W. 1  
 P.275 Agricultural University  
 Hyderabad-500 030

SEMESTER VI			
NZC 601	Fundamentals of Foods and Nutrition	GE-1	3
NZC 602	Diet Therapy - II	DSE-1F	3+1+4
NZC 603	Optional II	DSC-2F	3+1+4
NZC 604	Optional III	DSC-3F	3+1+4
NZC 605	A- Food Preservation D- Maternal and Child Nutrition	DSE-1F	3+1+4
NZC 606	Optional II A/B/C	DSE-2F	3+1+4
NZC 607	Optional III A/B/C	DSE-3F	3+1+4
TOTAL			26
TOTAL CREDITS			160

CC- Core Course  
 AFCC- Ability Enhancement Compulsory Course  
 DSC- Discipline Specific Core  
 SEC- Skill Enhancement Course  
 DSE- Discipline Specific Elective  
 GE- Generic Elective  
 HPW - Hours per week

SUMMARY OF CREDITS FOR B. Sc. PROGRAM

S. No.	Course Category	No. of courses	Credits per course	Credits
1	AFCC	2	2	4
2	SEC	3	2	6
3	CC	8	5	40
4	DSC	12	5	60
5	DSC	6	4	24
6	DSE	6	4	24
7	GE	1	2	2
TOTAL		38		160
Optionals (Total)		24		108

*M. M. K.*

Head of the Dept.  
 Dept. of Nutrition  
 M. A. J. College, Hyderabad

*M. A. S.*  
 Chairman  
 Board of Studies in Nutrition  
 Osmania University,  
 Hyderabad-500 007.

*A. W. S.*  
 Former Head of the Dept. (C)  
 Dept. of Food & Nutrition  
 G.U.L.W., Secy. H.D.

*V. S. R.*  
 Principal & Head  
 PESTICIDE RESIDUES LABORATORY  
 (ICAR on Pesticide Residues)  
 P.J.S. Agricultural University  
 Rajendranagar, Hyderabad-500 030

*Z. N.*  
 ZOYA NUREEN  
 Head, Dept. of Nutrition,  
 Amrutha Ulloom College,  
 Malapally, Hyderabad

DEPARTMENT OF NUTRITION AND DIETETICS

2018-2021

Year	Semester	Paper	Sub code	Title of paper	Credits	Instruction hrs / wk	Duration of exam	Max marks
I	I	I	104	Nutritional Biochemistry	4	4	2	50
	II	II	304	Nutrition Through the Life Cycle	4	4	2	50
II	III	III	304	Introduction to Food Technology	4	4	2	50
	IV	IV	404	Food Science	4	4	2	50
III	V	V	502	Diet Therapy - I	3	3	2	50
	VI	VI	505	A) Public Health B) Community Nutrition	3	3	2	50
	VII	VII	602	Diet Therapy - II	3	3	2	50
	VIII	VIII	605	A) Food Preservation B) Maternal & Child Nutrition	3	3	2	50
<b>TOTAL CREDITS</b>					28			

PRACTICALS

Year	Semester	Paper	Title of paper	Credits	Instruction hrs / wk	Duration of exam	Max marks
I	I	I	Nutritional Biochemistry	1	2	2	25
	II	II	Nutrition Through the Life Cycle	1	2	2	25
II	III	III	Introduction to Food Technology	1	2	2	25
	IV	IV	Food Science	1	2	2	25
III	V	V	Diet Therapy - I	1	2	2	25
	VI	VI	A) Public Health B) Community Nutrition	1	2	2	25
	VII	VII	Diet Therapy - II	1	2	2	25
	VIII	VIII	A) Food Preservation B) Maternal & Child Nutrition	1	2	2	25
<b>TOTAL CREDITS</b>				8			
<b>Total Practical Marks</b>							200
<b>Total of Theory and Practical</b>							400 + 200 = 600

Note: Theory: Total 20 marks (12 marks for final semester end exam and 8 marks for Assignment of 2 Internal Assessments)

Alena K  
 Board of Studies in Nutrition  
 Osmania University  
 Hyderabad-500 007

Dr. AKSHEE SHA,  
 M.Sc. Ph.D.  
 Joint Head B.A. & Post. GC  
 Dept. of Food & Nutrition  
 O.U.C.W. - Kalyan Nagar

Dr. S. S. S. Head  
 PESTICIDES & FERTILISERS LABORATORY  
 (Joint) on Postgraduate Research  
 P.U.'s Agricultural University  
 Rajendranagar, Hyderabad-500 030



2018-19

**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
ND 101 (CORE)	Human Nutrition	4	3	4	100 (80+20)
ND 102 (CORE)	Nutritional Biochemistry-I	4	3	4	100 (80+20)
ND 103 (CORE)	Human Physiology	4	3	4	100 (80+20)
ND 104 (CORE)	Principles of Dietetics	4	3	4	100 (80+20)
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>24</b>	<b>600 ( T + P )</b>

SECOND SEMESTER					
Paper No.	Title	Instructions Hrs/Week	Duration of Examination	Credits	Maximum Marks
ND 201 (CORE)	Principles of Foods	4	3	4	100 (80+20)
ND 202 (CORE)	Nutritional Biochemistry II	4	3	4	100 (80+20)
ND 203 (CORE)	Research Methodology	4	3	4	100 (80+20)
ND 204 (CORE)	Diet in Disease	4	3	4	100 (80+20)
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>24</b>	<b>600 ( T + P )</b>

**Dr. Asha P.**  
 Professor & HOD  
 Former Head of Post Grad. Dept. of Food & Nutrition  
 U.U.W. - Kott. H.D.

**Dr. Asha P.**  
 Professor & HOD  
 Former Head of Post Grad. Dept. of Food & Nutrition  
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**Dr. Asha P.**  
 Department of Nutrition  
 U.U.W. - Kott. H.D.

**Dr. Asha P.**  
 Head, Dept of Nutrition  
 Anwarli Loom Bldg  
 Mahabubnagar, Hyderabad

THIRD SEMESTER					
Paper No.	Title	Instructors Hrs/Week	Duration of Examination	Credits	Maximum Marks
ND 301 T (CORE)	Community Nutrition	4	3	4	100 (80+20)
ND 302 T (CORE)	Food Microbiology	4	3	4	100 (80+20)
ND 303 T (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)
Practical					
ND 305 P	Community Nutrition	4	2	2	50
ND 306 P	Food Microbiology	4	2	2	50
ND 307 P	i) Food Service Management	4	2	2	50
	ii) Institutional Food Management				
ND 308 P	Food Hygiene and sanitation	4	2	2	50
	Total *	32		24	600 (T+P)

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

Chairman  
Board of Studies in Nutrition  
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Dr. P. ASHLESHA  
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DEPT. OF FOOD & NUTRITION  
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Principal Scientist & Head,  
PESTICIDE RESIDUES LABORATORY  
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Head of the Dept.  
Department of Nutrition  
& Dietetics for women  
Achalapuram, Hyderabad.

Head of the Dept.  
Department of Nutrition  
& Dietetics for men  
Achalapuram, Hyderabad.

POOL)	i) Geriatric Nutrition				
	ii) Clinical Nutrition and Immunology				
ND 404 T	iii) Diet and Psychology Counselling	4	1	1	100 (80+20)
ELECTIVE POOL)	iv) Nutrition for Fitness and Sports				
	v) Maternal and Child Nutrition				
Practical					
ND 405 P	Hospital Internship in Nutrition and Dietetics	4	1	1	50
ND 406 P	Internship- case studies presentation	4	2	2	50
ND 407 P	Project Work- Collection of Data	4	2	2	50
ND 408 P	Project Work- Report Writing and presentation of Project Seminar	4	2	2	50
	Total Marks	32			24 600
Grand Total Marks of all the Four Semesters = 600+600+600+600=2400					Theory Practical

*M. S. S. S.*  
Chairman  
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*Ashlesha*  
Dr. P. ASHLESHA,  
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*N. S. S. S.*  
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PUTS Agricultural University,  
Rajendranagar, Hyderabad-500 020

*Zoya Nureen*  
ZOYA NUREEN  
Head, Dept of Nutrition,  
Anwarul Uloom College,  
Hyderabad-500 007



02

18-19

**COURSE: B.Sc., SUBJECT : PHYSICS****For M.P.C.\*, M.P.E.\* and M.P.Cs.\* Students**

Semester	Course/ Paper	Teaching Hours Per Week	No. of Credits
I	Paper - I (Theory) Mechanics	4 hours	4
	Paper - I (Mechanics Lab) AECC - I	2 hours	2
	Environmental Studies	2 hours	2
II	Paper - II (Theory) Waves and Oscillations	4 hours	4
	Paper - II (Waves and Oscillations Lab) AECC - II	2 hours	2
	Gender Sensitization	2 hours	2
III	Paper - III (Theory) Thermal Physics	4 hours	4
	Paper - III (Thermal Physics Lab) Add-on	2 hours	2
	Solar Energy and its Collectors	2 hours	1
IV	Paper - IV (Theory) Optics	4 hours	4
	Paper - IV (Optics Lab) IDE	2 hours	2
	Storage and Utilization of Solar Energy	2 hours	1
V	Paper - V(A) (Theory) Electricity and Magnetism	4 hours	4
	Paper - V(A) (Lab)	2 hours	2
	Paper - V(B) (Theory) Maxwell's Equations and Electronics	4 hours	4
	Paper - V(B) (Lab)	2 hours	2
	Add-on Solar and Chemical Energy	2 hours	1
VI	Paper - VI(A) (Theory) Modern Physics	4 hours	4
	Paper - VI(A) (Lab)	2 hours	2
	Paper - VI(B) (Theory) Nuclear Physics, Solid State Physics	4 hours	4
	Paper - VI(B) (Lab)	2 hours	2
	IDE Mechanical and Geothermal Energy	2 hours	1

Chairman BOS, Dept. of Physics

ANWAR-UL-ULOOM COLLEGE

Muzaffargarh, Ferozpur Road, F-70001

**Note:** AECC, Add-on and IDE Credits will not be counted for final result.

DEPARTMENT OF PHYSICS, ANWARUL ULOOM COLLEGE

ANWARUL ULOOM COLLEGE, MALLEPALLY, HYDERABAD.

**M.Sc., Physics I YEAR**

(for the batch admitted in I year from the academic year 2018-2019)

Scheme of Instruction and Examination

**Semester – I**

Sl. No.	Sub. Code	Subject	Instructions Hrs/Week	No. of Credits	Max. Marks
<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's :</b>					
05	P 105	Heat & Acoustics	6	4	100
06	P 106	Optics	6	4	100
		<b>Total</b>	<b>28</b>	<b>24</b>	<b>600</b>
<b>Add – On Course :</b>					
07	P 107	Communicative English & Soft Skills	3	2	10+40=50

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

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

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

The student has to answer all the questions.

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

**Note:** Add-on and IDE Credits will not be counted for final result.



ANWARUL ULOOM COLLEGE , MALLEPALLY , HYDERABAD.

**M.Sc., Physics I YEAR**

(for the batch admitted in I year from the academic year 2018-2019)

Scheme of Instruction and Examination

Semester – II



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

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

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

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

The student has to answer all the questions.

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

**Note:** Add-on and IDE Credits will not be counted for final result.



ANWARUL ULOOM COLLEGE, MALLEPALLY, HYDERABAD.

**M.Sc., Physics II YEAR**

(for the batch admitted in I year from the academic year 2018-2019)

Scheme of Instruction and Examination

Semester – III



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

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

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

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

The student has to answer all the questions.

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

**Note:** Add-on and IDE Credits will not be counted for final result.

DEPARTMENT OF PHYSICS, ANWARUL ULOOM COLLEGE

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

ANWARUL ULOOM COLLEGE, MALLEPALLY, HYDERABAD.

**M.Sc., Physics II YEAR**

(for the batch admitted in I year from the academic year 2018-2019)

Scheme of Instruction and Examination



**Semester – IV**

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

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

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

**Part - A :** consists of EIGHT (8) short note questions, (two from each Unit), carrying 4 marks each. The student has to answer all the questions.

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

**Note:** Add-on and IDE Credits will not be counted for final result.

DEPARTMENT OF PHYSICS, ANWARUL ULOOM COLLEGE

*[Signature]*  
ANWAR-UL-ULOOM COLLEGE  
Mallepally, Hyderabad 503 001.



# ANWAR UL ULOOM (AUTONOMOUS)


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

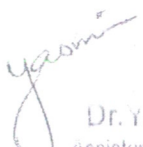


Faculty of Social Sciences  
B.A (History Political Science and Modern Languages Urdu (HPML)  
Subject : Political Science (2018-19)

Course Structure  
Choice Based Credit System Pattern  
Approval Syllabus for the Academic Year 2018-19

Code	Name of the paper	Scheme of instruction/Hours per week	Credit	Scheme of Examination	
				Internal Assessment Marks	Semester Examination Marks
<b>SEMESTER – I</b>					
1119	Pol. Science – Concepts, Theories and Institutions.	5 Hours	5	15	35
<b>-AECC-I PAPER FOR SEMESTER – I</b>					
A1119	Environmental Studies	2 Hours	2	15	35
<b>SEMESTER – II</b>					
1219	Political Science Ideologies	5 Hours	5	15	35
<b>AECC-II PAPER FOR SEMESTER – II</b>					
11219	Gender Sensitization	2 Hours	2	15	35

  
DEPT. OF POLITICAL SCIENCE  
ANWAR UL ULOOM COLLEGE (AUTONOMOUS)  
HYDERABAD.

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



18

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



Faculty of Social Sciences  
B.A (History Political Science and Modern Languages Urdu (HPML)  
\*Subject : Political Science (2018-19)

Course Structure  
Choice Based Credit System Pattern  
Approval Syllabus for the Academic Year 2018-19

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

*[Signature]*  
HEAD & CHAIRMAN  
BOARD OF STUDIES  
DEPARTMENT OF POLITICAL SCIENCE  
ANWAR UL ULOOM (AUTONOMOUS)  
HYDERABAD

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

**COURSE STRUCTURE 2018-2019**  
**CHOICE BASED CREDIT SYSTEM PATTERN**  
 Approval Syllabus for Academic Year 2018-2019

**B.A. III YEAR V A – V B**

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

SEMESTER V A

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

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

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

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

SEMESTER VI A


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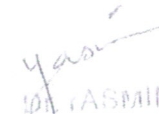
SEMESTER VI B

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

	Women Studies An Introduction	2 Hrs	1	15	35
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 HEAD OF DEPARTMENT  
 BOARD OF STUDIES  
 DEPT. OF POLITICAL SCIENCE  
 ANWARUL ULOO JM COLLEGE (AUTONOMOUS)  
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 DR. YASMIN  
 Assistant Professor  
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Anwarul Uloom College, Mallepally, Hyderabad  
(Autonomous)

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




Faculty of Social Sciences  
Department of Public Administration  
2018-2019


Course Structure

Choice Based Credit System Pattern Approved Syllabus for the Academic  
year 2018-2019

Scheme of Examination

Name of the Paper	Scheme of Instruction / Hours Per week	Credit	Internal Assignment Marks	Semester (End) Examination Marks.
<b>Semester – I</b>				
Introduction to Public Administration-I	5 Hours	5	15	35
<b>Skill Enhancement Course Add-On Paper for Semester- I</b>				
Women's Studies	2 Hours	1	15	35
<b>Semester – II</b>				
Introduction to Public Administration-II	5 Hours	5	15	35
<b>General Elective Course IDE Paper for Semester- II</b>				
Disaster Management	2 Hours	1	15	35

  
HEAD & CHAIRMAN  
BOARD OF STUDIES  
DEPT. PUBL. ADMINISTRATION  
ANWARUL ULOOM COLLEGE, MALLEPALLY  
HYD-7.

  
Chairman, BOS  
Department of Public Administration  
Osmania University, Hyd-7.



Anwarul Uloom College, Mallepally, Hyderabad  
(Autonomous)

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

Faculty of Social Sciences  
Department of Public Administration  
2018-2019

Course Structure

Choice Based Credit System Pattern Approved Syllabus for the Academic year 2016-2017

Scheme of Examination

Name of the Paper	Scheme of Instruction / Hours Per week	Credit	Internal Assignment Marks	Semester (End) Examination Marks.
<b>Semester – III</b>				
Public Administration in India	5 Hours	5	15	35
<b>Skill Enhancement Add-On Paper for Semester- III</b>				
Rural Urban Administration	2 Hours	1	15	35
<b>Semester – IV</b>				
Public Administration in India	5 Hours	5	15	35
<b>General Elective Course IDE Paper for Semester- IV</b>				
Public Relations	2 Hours	1	15	35

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ANWARULULOOM COLLEGE MALLEPALLY  
HYDRABAD

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ANWARULULOOM COLLEGE MALLEPALLY  
HYDRABAD  
Osmania University, Hyd-1-14

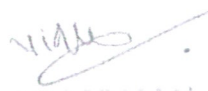
Anwarul Uloom College, Mallepally, Hyderabad  
(Autonomous)


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

**Faculty of Social Sciences**  
**Department of Public Administration**  
**2018-2019**

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

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

  
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DEPT. PUB. ADMINISTRATION  
ANWARUL ULOOM COLLEGE, MALLEPALLY  
HYDERABAD

  
Chairperson, BOS  
Department of Public Administration  
Osmania University, Hyd-7.

# ANWARUL ULOOM COLLEGE (Autonomous)

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



## Faculty of Arts

### Department of Urdu

( 2018 – 19 )

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

S. No.	Semester	Course Paper	Code No.	Teaching hours per week	Credits	w. e. f
1	I	Second Language Urdu	0102	4	4	2015 – 16
2	II	Second Language Urdu	0202	4	4	2015 – 16
3	III	Modern Language Urdu	1116	5	5	2015 – 16
4	IV	Modern Language Urdu	1216	5	5	2015 – 16

HEAD,  
Department of Urdu  
Anwarul Uloom College  
New Mallepally, Hyderabad - 500 001, A.P., India.

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# ANWARUL-ULOOM COLLEGE (Autonomous)

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



## Faculty of Arts

### Department of Urdu

( Pattern based on Choice Based Credit System )

#### · Second Language Urdu

( 2018 – 19 )

Code	Name of the Paper	Scheme of Instruction / Hours per week	Credit	Internal Assessment Marks	Semester (End) Examination Marks
<b>I – Semester</b>					
	Mutalaya Adab (Part – I) (Ghazals: I – IV) (Poems: I – IV) (Prose: I – IV)	4	4	15	35
	<b>AECC – I Paper:</b> Environmental Studies	2	2	0	50
<b>II – Semester</b>					
	Mutalaya Adab (Part – I) (Ghazals: I – IV) (Poems: I – III) (Prose: I – III)	4	4	15	35
	<b>AECC – II Paper:</b> Gender Sensitization	2	2	0	50

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Department of Urdu  
Anwarul-Uloom College  
New Mallepally, Hyderabad - 500 001, A.P., India.

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## Faculty of Arts Department of Urdu

(2018 – 19)

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

S. No.	Semester	Course Paper	Code No.	Teaching hours per week	Credits	w.e.f
1	III	Second Language Urdu	0302	4	3	2018 – 19
2	IV	Second Language Urdu	0402	4	3	2018 – 19
3	III	Modern Language Urdu	1316	5	4	2018 – 19
4	IV	Modern Language Urdu	1416	5	4	2018 – 19

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HEAD  
Department of Urdu  
G.M. College for Women  
Autonomous  
New Mallepally, Hyderabad-500 095

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## Faculty of Arts

### Department of Urdu

(Pattern based on Choice Based Credit System)

#### Second Language Urdu

(2018 – 19)

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

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Department of Urdu  
Anwarul Uloom College

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## Faculty of Arts

### Department of Urdu

(2018 – 19)

Subjects: Modern Language Urdu , Degree Third Year, V & VI - Semesters

S. No.	Semester	Course Paper	Code No.	Teaching hours per week	Credits	w. e. f
1	V A	Modern Language Urdu	1516	5	5	2018 – 19
2	V B	Modern Language Urdu	1516	5	5	2018 – 19
3	VI A	Modern Language Urdu	1616	5	5	2018 – 19
4	VI B	Modern Language Urdu	1616	5	5	2018 – 19

*M. Siddiq*  
HEAD  
Department of Urdu  
O.D. Centre for Muslim  
MINORITY  
AUTONOMOUS  
New Mallepally - 500 001



## Anwarul Uloom College (Autonomous)

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



Faculty of Science

*Department of Zoology*

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

### Course Structure in Part – II (2018 – 19)

S. No.	Year	Sem	Paper / Title	Teaching Hours / Week	Units	Credits	Marks		
							Internal Assessment	External Assessment	Total
1	1st Year	I	Animal Diversity (Invertebrates) – Theory	4	4	4	15	35	50
2			Animal Diversity (Invertebrates) – Practicals	2	–	1	–	–	25
3			Add on course- Instrumentation and Techniques in Biology	2	2	2	–	–	50
4			AECC - Environmental Studies						
5	1st Year	II	Ecology, Zoogeography and Animal Behaviour	4	4	4	15	35	25
6			Ecology, Zoogeography and Animal Behaviour Practicals	4	–	2	–	–	50
7			Gender Sensitization (AECC-II)	2	2	2	–	–	50
8			IDE Course Health and Wellness						
9	2nd Year	III	Biology of Chordates - I, Embryology	4	4	4	15	35	50
10			Chordate and Embryology Practicals	2	–	1	–	–	25
11	2nd Year	IV	Cell Biology, Genetics & Evolution – Theory	4	4	4	15	35	50

12			Cell Biology, Genetics & Evolution – Practical	2	–	1	–	–	25
13			IDE Course - Pet Care	2	2	2	–	–	50

14	3 <sup>rd</sup> Year	<b>V</b>	Zoology V A (Animal Physiology)– Theory	4	4	4	15	35	50
15			Zoology V A ((Animal Physiology) – Practicals	2	–	1	–	25	25
16			Zoology V B-Genetics	4	4	4	15	35	50
17			Zoology V B– - Genetics – Practicals	2	–	1	–	25	25
18			Add on Course - Aquarium Keeping	2	2	2	–	50	50
19	3 <sup>rd</sup> Year	<b>VI</b>	Zoology VI A (Fisheries & Haematology) – Theory	4	4	4	15	35	50
20			Zoology VI A (Fisheries & Haematology) – Practicals	2	–	1	–	25	25
21			Zoology VI B (Immunology & Biotechnology) – Theory	4	4	4	15	35	50
22			Zoology VI B (Immunology & Biotechnology) – Practicals	2	–	1	–	25	25

AECC – Ability Enhancement Compulsory Course

**Head of the Department**

Dept. of Zoology  
A.U. College, Hyderabad