



ANWARUL ULOOM COLLEGE (AUTONOMOUS)

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

(Affiliated to Osmania University, Hyderabad)

1.1.3. DETAILS OF 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
1.	ARABIC - I	SL0103	I YEAR I SEMESTER	B.A., B.COM, BSC, BBA, BBM
2.	ARABIC - II	SL0203	I YEAR II SEMESTER	B.A., B.COM, BSC, BBA, BBM
3.	ARABIC - III	SL0303	II YEAR III SEMESTER	B.A., B.COM, BSC, BBA, BBM
4.	ARABIC - IV	SL0403	II YEAR IV SEMESTER	B.A., B.COM, BSC, BBA, BBM
5.	GENETIC - I	6108	I YEAR I SEMESTER	BSC, (BTMBC, BTBC)
6.	GENETIC PR	6108-P	I YEAR I SEMESTER	BSC, (BTMBC, BTBC)
7.	NUCLEIC, ACID & BIO INFORMATION	6208	I YEAR II SEMESTER	BSC, (BTMBC, BTBC)
8.	NUCLEIC, ACID & BIO INFORMATION PR	6208-P	I YEAR II SEMESTER	BSC, (BTMBC, BTBC)
9.	BIOLOGICAL CHEMISTRY	6308	II YEAR III SEMESTER	BSC, (BTMBC, BTBC)
10.	BIOLOGICAL CHEMISTRY - PR	6308-P	II YEAR III SEMESTER	BSC, (BTMBC, BTBC)
11.	MICRO - BIOLOGY & IMMUNOLOGY	6408	II YEAR IV SEMESTER	BSC, (BTMBC, BTBC)
12.	MICRO - BIOLOGY & IMMUNOLOGY - PR	6408-P	II YEAR IV SEMESTER	BSC, (BTMBC, BTBC)
13.	MOLECULAR BIOLOGY DNA TECHNOLOGY	6508	III YEAR V SEMESTER	BSC, (BTMBC, BTBC)
14.	MOLECULAR BIOLOGY - PR DNA TECHNOLOGY	6508-P	III YEAR V SEMESTER	BSC, (BTMBC, BTBC)
15.	MICROBIAL TECHNOLOGY-A MICROBIAL TECHNOLOGY-B	6608	III YEAR VI SEMESTER	BSC, (BTMBC, BTBC)



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16.	MICROBIAL TECHNOLOGY-A- PR MICROBIAL TECHNOLOGY-B- PR	6608-P	III YEAR VI SEMESTER	BSC, (BTMBC, BTBC)
17.	CELL BIOLOGY AND GENETIC	BT101T	I YEAR I SEMESTER	MSC (BIOTECHNOLOGY)
18.	BIOLOGICAL CHEMISTRY	BT102T	I YEAR I SEMESTER	MSC (BIOTECHNOLOGY)
19.	MICROBIOLOGY	BT103T	I YEAR I SEMESTER	MSC (BIOTECHNOLOGY)
20.	STATISTICS, LABORATORY MANAGEMENT & SAFETY, ENTREPRENEURSHIP	BT104T	I YEAR I SEMESTER	MSC (BIOTECHNOLOGY)
21.	CELL BIOLOGY AND GENETIC PR	BT151P	I YEAR I SEMESTER	MSC (BIOTECHNOLOGY)
22.	BIOLOGICAL CHEMISTRY PR	BT152P	I YEAR I SEMESTER	MSC (BIOTECHNOLOGY)
23.	MICROBIOLOGY PR	BT153P	I YEAR I SEMESTER	MSC (BIOTECHNOLOGY)
24.	STATISTICS, LABORATORY MANAGEMENT & SAFETY, ENTREPRENEURSHIP PR	BT154P	I YEAR I SEMESTER	MSC (BIOTECHNOLOGY)
25.	MOLECULAR BIOLOGY - THE GENOME	BT201T	I YEAR II SEMESTER	MSC (BIOTECHNOLOGY)
26.	MOLECULAR BIOLOGY - GENES TO PROTEIN	BT202T	I YEAR II SEMESTER	MSC (BIOTECHNOLOGY)
27.	IMMUNOLOGY	BT203T	I YEAR II SEMESTER	MSC (BIOTECHNOLOGY)
28.	MICROBIAL TECHNOLOGY _ PR	BT204T	I YEAR II SEMESTER	MSC (BIOTECHNOLOGY)
29.	MOLECULAR BIOLOGY - THE GENOME - PR	BT251P	I YEAR II SEMESTER	MSC (BIOTECHNOLOGY)
30.	MOLECULAR BIOLOGY - GENES TO PROTEIN- PR	BT252P	I YEAR II SEMESTER	MSC (BIOTECHNOLOGY)



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31.	IMMUNOLOGY - PR	BT253P	I YEAR II SEMESTER	MSC (BIOTECHNOLOGY)
32.	MICROBIAL TECHNOLOGY - PR	BT254P	I YEAR II SEMESTER	MSC (BIOTECHNOLOGY)
33.	RECOMBINANT DNA TECHNOLOGY	BT301T	II YEAR III SEMESTER	MSC (BIOTECHNOLOGY)
34.	BIOINFORMATICS & ITS APPLICATION	BT302T	II YEAR III SEMESTER	MSC (BIOTECHNOLOGY)
35.	ELECTIVE: A. ADVANCE IN PLANT BIOTECHNOLOGY. B. FOOD BIOTECHNOLOGY	BT303T	II YEAR III SEMESTER	MSC (BIOTECHNOLOGY)
36.	ELECTIVE: A. ANIMAL BIOTECHNOLOGY B. PROTEIN ENGINEERING	BT304T	II YEAR III SEMESTER	MSC (BIOTECHNOLOGY)
37.	RECOMBINANT DNA TECHNOLOGY - PR	BT351P	II YEAR III SEMESTER	MSC (BIOTECHNOLOGY)
38.	BIOINFORMATICS & ITS APPLICATION - PR	BT352P	II YEAR III SEMESTER	MSC (BIOTECHNOLOGY)
39.	ELECTIVE: C. ADVANCE IN PLANT BIOTECHNOLOGY D. FOOD BIOTECHNOLOGY - PR	BT353P	II YEAR III SEMESTER	MSC (BIOTECHNOLOGY)
40.	ELECTIVE: C. ANIMAL BIOTECHNOLOGY D. PROTEIN ENGINEERING - PR	BT354P	II YEAR III SEMESTER	MSC (BIOTECHNOLOGY)
41.	BIOPROCESS ENGINEERING	BT401T	II YEAR IV SEMESTER	MSC (BIOTECHNOLOGY)



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42.	MEDICAL BIOTECHNOLOGY	BT402T	II YEAR IV SEMESTER	MSC (BIOTECHNOLOGY)
43.	ELECTIVE: A. ENVIRONMENT BIOTECHNOLOGY B. BIO PHARMACOLOGY	BT403T	II YEAR IV SEMESTER	MSC (BIOTECHNOLOGY)
44.	PROJECT WORK	BT404T	II YEAR IV SEMESTER	MSC (BIOTECHNOLOGY)
45.	BIOPROCESS ENGINEERING - PR	BT451P	II YEAR IV SEMESTER	MSC (BIOTECHNOLOGY)
46.	MEDICAL BIOTECHNOLOGY - PR	BT452P	II YEAR IV SEMESTER	MSC (BIOTECHNOLOGY)
47.	ELECTIVE: C. ENVIRONMENT BIOTECHNOLOGY D. BIO PHARMACOLOGY - PR	BT453P	II YEAR IV SEMESTER	MSC (BIOTECHNOLOGY)
48.	PROJECT/THESIS/PRESENTATI ON	BT454P	II YEAR IV SEMESTER	MSC (BIOTECHNOLOGY)
49.	MICROBIAL DIVERSITY OF LOWER PLANTS	6107	I YEAR I SEMESTER	BSC (BZC, BTBC)
50.	MICROBIAL DIVERSITY OF LOWER PLANTS – PR	6107P	I YEAR I SEMESTER	BSC (BZC, BTBC)
51.	EVS	A6107	I YEAR I SEMESTER	BSC (BZC, BTBC)
52.	BRYOPHYTES, PTERIOPHYTES, GYMNOSPERMS AND PALEOBOTANY	6207	I YEAR II SEMESTER	BSC (BZC, BTBC)
53.	BRYOPHYTES, PTERIOPHYTES, GYMNOSPERMS AND PALEOBOTANY - PR	6207P	I YEAR II SEMESTER	BSC (BZC, BTBC)
54.	GENDER SENSITIZATION	I6207	I YEAR II SEMESTER	BSC (BZC, BTBC)

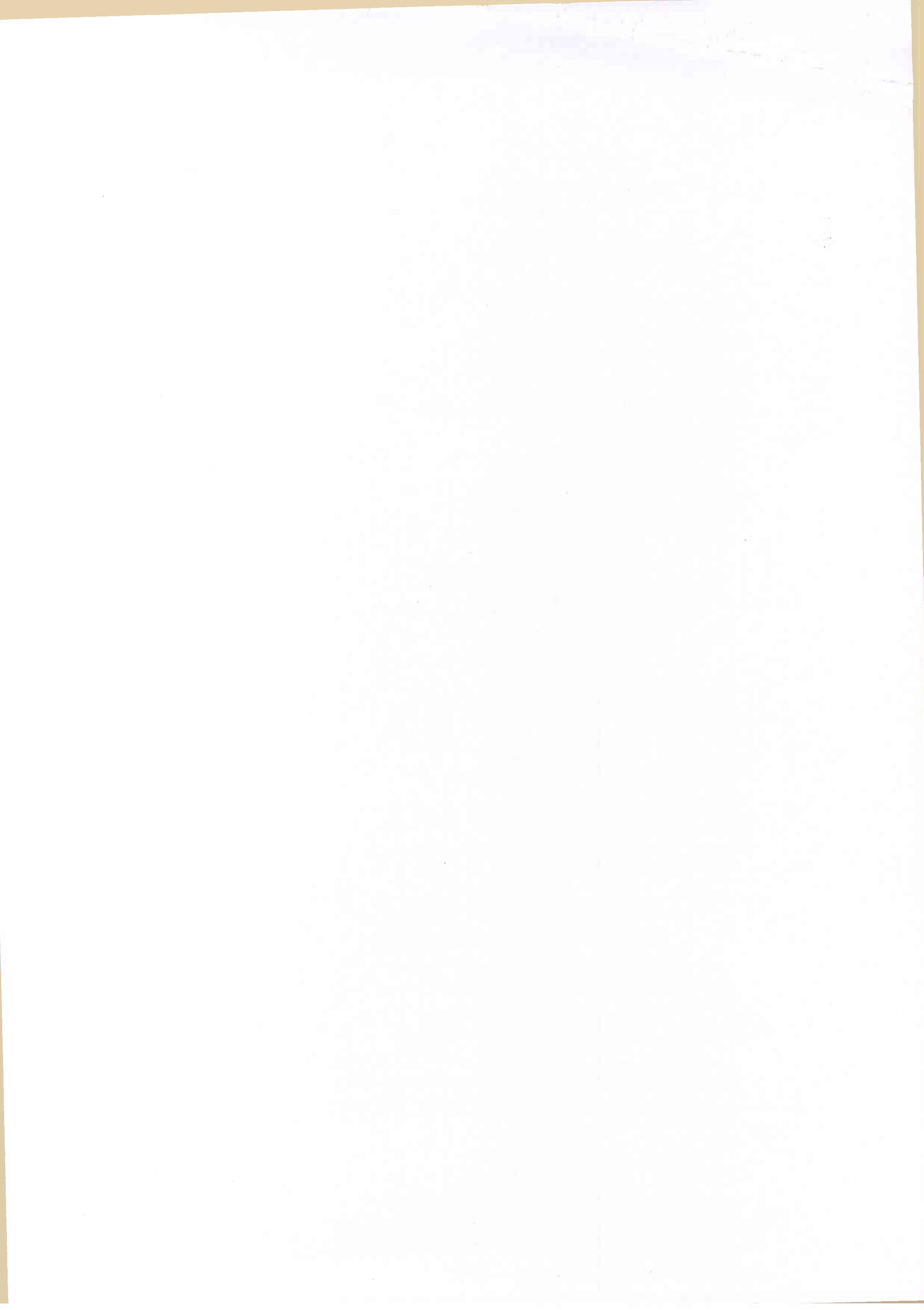


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55.	TAXONOMY OF ANGIOSPERMS AND MEDICAL BOTANY	6307	II YEAR III SEMESTER	BSC (BZC, BTBC)
56.	TAXONOMY AND MEDICAL BOTANY – PR	6307P	II YEAR III SEMESTER	BSC (BZC, BTBC)
57.	BIO FERTILIZERS	A6307	II YEAR III SEMESTER	BSC (BZC, BTBC)
58.	ANATOMY, EMBRYOLOGY AND PALYNOLOGY	6407	II YEAR IV SEMESTER	BSC (BZC, BTBC)
59.	ANATOMY, EMBRYOLOGY AND PALYNOLOGY – PR	6407P	II YEAR IV SEMESTER	BSC (BZC, BTBC)
60.	FORESTRY	I6407	II YEAR IV SEMESTER	BSC (BZC, BTBC)
61.	CELL BIOLOGY, GENETIC, ECOLOGY AND BIODIVERSITY	6507	III YEAR V SEMESTER	BSC (BZC, BTBC)
62.	CELL BIOLOGY, GENETIC, ECOLOGY AND BIODIVERSITY - PR	6507P	III YEAR V SEMESTER	BSC (BZC, BTBC)
63.	E-WASTE MANAGEMENT	A6507	III YEAR V SEMESTER	BSC (BZC, BTBC)
64.	PLANT PHYSIOLOGY, TISSUE, CULTURE, BIOTECHNOLOGY, SEED TECHNOLOGY AND HORTICULTURE	6607	III YEAR VI SEMESTER	BSC (BZC, BTBC)
65.	PLANT PHYSIOLOGY, TISSUE, CULTURE, BIOTECHNOLOGY, SEED TECHNOLOGY AND HORTICULTURE – PR	6607P	III YEAR VI SEMESTER	BSC (BZC, BTBC)
66.	HERBAL MEDICINE	I6607	III YEAR VI SEMESTER	BSC (BZC, BTBC)
67.	PHYCOLOGY AND MYCOLOGY	MBOT.O.C.T.1 .101	I YEAR I SEMESTER	MSC (BOTANY)





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68.	BRYOPHYTE & PTERIDOPHYTA	MBOT.OC.T.1 .102	I YEAR I SEMESTER	MSC (BOTANY)
69.	TAXONOMY OF ANGIOSPERMS AND MEDICINAL BOTANY	MBOT.OC.T.1 .103	I YEAR I SEMESTER	MSC (BOTANY)
70.	PLANT BIOCHEMISTRY	MBOT.OC.T.1 .104	I YEAR I SEMESTER	MSC (BOTANY)
71.	PRACTICAL LAB - I	MBOT.OC.P.1 .105	I YEAR I SEMESTER	MSC (BOTANY)
72.	PRACTICAL LAB - II	MBOT.OC.P.1 .106	I YEAR I SEMESTER	MSC (BOTANY)
73.	PRACTICAL LAB - III	MBOT.OC.P.1 .107	I YEAR I SEMESTER	MSC (BOTANY)
74.	PRACTICAL LAB - IV	MBOT.OC.P.1 .108	I YEAR I SEMESTER	MSC (BOTANY)
75.	APPLIED PHYSIOLOGY AND MYCOLOGY	MBOT.OC.T.1 .201	I YEAR II SEMESTER	MSC (BOTANY)
76.	GYMNOSPERMS AND EMBRYOLOGY	MBOT.OC.T.1 .202	I YEAR II SEMESTER	MSC (BOTANY)
77.	PLANT ANATOMY AND PALYNOLOGY	MBOT.OC.T.1 .203	I YEAR II SEMESTER	MSC (BOTANY)
78.	PLANT PHYSIOLOGY	MBOT.OC.T.1 .204	I YEAR II SEMESTER	MSC (BOTANY)
79.	PRACTICAL LAB - I	MBOT.OC.P.1 .205	I YEAR II SEMESTER	MSC (BOTANY)
80.	PRACTICAL LAB - II	MBOT.OC.P.1 .206	I YEAR II SEMESTER	MSC (BOTANY)
81.	PRACTICAL LAB - III	MBOT.OC.P.1 .207	I YEAR II SEMESTER	MSC (BOTANY)



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82.	PRACTICAL LAB - IV	MBOT.OC.P.1 .208	I YEAR II SEMESTER	MSC (BOTANY)
83.	CELL BIOLOGY, GENETICS AND BIOSTATISTICS	MBOT.OC.T.1 .301	II YEAR III SEMESTER	MSC (BOTANY)
84.	ENVIRONMENTAL POLLUTION & PROTECTION	MBOT.OC.T.1 .302	II YEAR III SEMESTER	MSC (BOTANY)
85.	SPECIALIZATION – (A/B/C/D/E)	MBOT.OC.T.1 .303	II YEAR III SEMESTER	MSC (BOTANY)
86.	SPECIALIZATION – (A/B/C/D/E)	MBOT.OC.T.1 .304	II YEAR III SEMESTER	MSC (BOTANY)
87.	PRACTICAL LAB - I	MBOT.OC.P.1 .305	II YEAR III SEMESTER	MSC (BOTANY)
88.	PRACTICAL LAB – II	MBOT.OC.P.1 .306	II YEAR III SEMESTER	MSC (BOTANY)
89.	PRACTICAL LAB – III	MBOT.OC.P.1 .307	II YEAR III SEMESTER	MSC (BOTANY)
90.	PRACTICAL LAB - IV	MBOT.OC.P.1 .308	II YEAR III SEMESTER	MSC (BOTANY)
91.	ECOLOGY & PHYTOGEOGRAPHY	MBOT.OC.T.1 .301	II YEAR IV SEMESTER	MSC (BOTANY)
92.	HORTICULTURE & PLANT BREEDING	MBOT.OC.T.1 .302	II YEAR IV SEMESTER	MSC (BOTANY)
93.	SPECIALIZATION – (A/B/C/D/E)	MBOT.OC.T.1 .303	II YEAR IV SEMESTER	MSC (BOTANY)
94.	SPECIALIZATION – (A/B/C/D/E)	MBOT.OC.T.1 .304	II YEAR IV SEMESTER	MSC (BOTANY)
95.	PRACTICAL LAB - I	MBOT.OC.P.1 .305	II YEAR IV SEMESTER	MSC (BOTANY)



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96.	PRACTICAL LAB – II	MBOT.O.C.P.1 .306	II YEAR IV SEMESTER	MSC (BOTANY)
97.	PRACTICAL LAB – III	MBOT.O.C.P.1 .307	II YEAR IV SEMESTER	MSC (BOTANY)
98.	PRACTICAL LAB - IV	MBOT.O.C.P.1 .308	II YEAR IV SEMESTER	MSC (BOTANY)
99.	BUSINESS ORGANIZATION & MANAGEMENT	BBA101	I YEAR I SEMESTER	BBA
100.	BUSINESS ECONOMIC (MICRO)	BBA102	I YEAR I SEMESTER	BBA
101.	FINANCIAL ACCOUNTING – I	BBA103	I YEAR I SEMESTER	BBA
102.	INFORMATION TECHNOLOGY	BBA104	I YEAR I SEMESTER	BBA
103.	ELECTIVE COURSES – STRESS MANAGEMENT	ADD-ON	I YEAR I SEMESTER	BBA
104.	ORGANISATIONAL BEHAVIOUR	BBA201	I YEAR II SEMESTER	BBA
105.	FINANCIAL ACCOUNTING – II	BBA202	I YEAR II SEMESTER	BBA
106.	BUSINESS ECONOMICS (MARCO)	BBA203	I YEAR II SEMESTER	BBA
107.	RELATIONAL DATA BASE MANAGEMENT	BBA204	I YEAR II SEMESTER	BBA
108.	PERSONALITY DEVELOPMENT ELECTIVE COURSE	IDE	I YEAR II SEMESTER	BBA
109.	NCC/NSS/SPORTS-CERTIFIED VOLUNTARY WORK	CVW206	I YEAR II SEMESTER	BBA
110.	HUMAN VALUES & PROFESSIONAL ETHICS	HVPE	I YEAR II SEMESTER	BBA
111.	PRINCIPAL OF MARKETING	BBA301	II YEAR III SEMESTER	BBA



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112.	ADVANCED ACCOUNTING	BBA302	II YEAR III SEMESTER	BBA
113.	BUSINESS STATISTICS – I	BBA303	II YEAR III SEMESTER	BBA
114.	DIRECT TAXES	BBA304	II YEAR III SEMESTER	BBA
115.	RECREATION & LEISURE TIME MANAGEMENT	ADD-ON	II YEAR III SEMESTER	BBA
116.	ACCOUNTING FOR MANAGEMENT	BBA401	II YEAR IV SEMESTER	BBA
117.	BUSINESS STATISTIC – II	BBA402	II YEAR IV SEMESTER	BBA
118.	BANKING & INSURANCE	BBA403	II YEAR IV SEMESTER	BBA
119.	ACCOUNTING PACKAGES	BBA404	II YEAR IV SEMESTER	BBA
120.	CREATIVITY AND INNOVATION MANAGEMENT	IDE	II YEAR IV SEMESTER	BBA
121.	NCC/NSS/SPORTS	CVW	II YEAR IV SEMESTER	BBA
122.	ENVIRONMENTAL SCIENCES	EVS	II YEAR IV SEMESTER	BBA
123.	COST ACCOUNTING	BBA501	III YEAR V SEMESTER	BBA
124.	PRODUCTION & OPERATION MANAGEMENT	BBA502	III YEAR V SEMESTER	BBA
125.	E-COMMERCE	BBA503	III YEAR V SEMESTER	BBA
126.	BUSINESS COMMUNICATION	BBA504	III YEAR V SEMESTER	BBA
127.	HUMAN RESOURCE MANAGEMENT	BBA505	III YEAR V SEMESTER	BBA
128.	FINANCIAL STATEMENT ANALYSIS	BBA506	III YEAR V SEMESTER	BBA
129.	BUSINESS ETHICS	ADD-ON	III YEAR V SEMESTER	BBA
130.	ENTREPRENEURSHIP DEVELOPMENT	BBA601	III YEAR VI SEMESTER	BBA
131.	BUSINESS LAWS	BBA602	III YEAR VI SEMESTER	BBA



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132.	INDUSTRIAL RELATIONS MANAGEMENT	BBA603	III YEAR VI SEMESTER	BBA
133.	WEB TECHNOLOGIES (PROJECT REPORT)	BBA604	III YEAR VI SEMESTER	BBA
134.	INVESTMENT MANAGEMENT	BBA605	III YEAR VI SEMESTER	BBA
135.	INTERNATIONAL FINANCE	BBA606	III YEAR VI SEMESTER	BBA
136.	TIME MANAGEMENT	IDE	III YEAR VI SEMESTER	BBA
137.	NCC / NSS / SPORTS	CVW	III YEAR VI SEMESTER	BBA
138.	SCIENCE & CIVILISATION	S&C	III YEAR VI SEMESTER	BBA
139.	FINANCIAL ACCOUNTING	BCO101	I YEAR I SEMESTER	B.COM (GENERAL)
140.	BUSINESS ECONOMICS	BCO102	I YEAR I SEMESTER	B.COM (GENERAL)
141.	BUSINESS ORGANIZATION	BCO103	I YEAR I SEMESTER	B.COM (GENERAL)
142.	INFORMATION TECHNOLOGY	BCO104	I YEAR I SEMESTER	B.COM (GENERAL)
143.	EVS	AECC1	I YEAR I SEMESTER	B.COM (GENERAL)
144.	FINANCIAL ACCOUNTING – II	BCO201	I YEAR II SEMESTER	B.COM (GENERAL)
145.	MANAGERIAL ECONOMICS	BCO202	I YEAR II SEMESTER	B.COM (GENERAL)
146.	PRINCIPLES OF MANAGEMENT	BCO203	I YEAR II SEMESTER	B.COM (GENERAL)
147.	FOREIGN TRADE	BCO204	I YEAR II SEMESTER	B.COM (GENERAL)
148.	GENDER SENSITIZATION	AECC2	I YEAR II SEMESTER	B.COM (GENERAL)
149.	NCC/NSS/SPORTS	CVW206	I YEAR II SEMESTER	B.COM (GENERAL)
150.	HUMAN VALUES & PROFESSIONAL ETHICS	HVPE207	I YEAR II SEMESTER	B.COM (GENERAL)
151.	ADVANCED ACCOUNTING	BCO301	II YEAR III SEMESTER	B.COM (GENERAL)
152.	BUSINESS STATISTICS – I	BCO302	II YEAR III SEMESTER	B.COM (GENERAL)
153.	INCOME TAX – I	BCO303	II YEAR III SEMESTER	B.COM (GENERAL)



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154.	ENTREPRENEURIAL DEVELOPMENT & BUSINESS ETHICS	BCC304	II YEAR III SEMESTER	B.COM (GENERAL)
155.	PRINCIPLES OF INSURANCE	SECC1	II YEAR III SEMESTER	B.COM (GENERAL)
156.	CORPORATE ACCOUNTING	BCO401	II YEAR IV SEMESTER	B.COM (GENERAL)
157.	BUSINESS STATISTICS – II	BCO402	II YEAR IV SEMESTER	B.COM (GENERAL)
158.	INCOME TAX – II	BCO403	II YEAR IV SEMESTER	B.COM (GENERAL)
159.	FINANCIAL STATEMENT ANALYSIS	BCO404	II YEAR IV SEMESTER	B.COM (GENERAL)
160.	PRACTISE OF LIFE INSURANCE	SECC2	II YEAR IV SEMESTER	B.COM (GENERAL)
161.	NCC/NSS/SPORTS	CVW406	II YEAR IV SEMESTER	B.COM (GENERAL)
162.	ENVIRONMENT SCIENCE	ES407	II YEAR IV SEMESTER	B.COM (GENERAL)
163.	COST ACCOUNTING	BCO501	III YEAR V SEMESTER	B.COM (GENERAL)
164.	BUSINESS LAW	BCO502	III YEAR V SEMESTER	B.COM (GENERAL)
165.	BANKING THEORY & PRACTICE	BCO504	III YEAR V SEMESTER	B.COM (GENERAL)
166.	AUDITING	BCO503	III YEAR V SEMESTER	B.COM (GENERAL)
167.	COMPUTERIZED ACCOUNTING	BCO505	III YEAR V SEMESTER	B.COM (GENERAL)
168.	ACCOUNTING STANDARDS	BCO506	III YEAR V SEMESTER	B.COM (GENERAL)
169.	PRACTICE OF GENERAL INSURANCE	SECC3	III YEAR V SEMESTER	B.COM (GENERAL)
170.	INTRODUCTION TO INDIAN ECONOMY	GE1	III YEAR V SEMESTER	B.COM (GENERAL)
171.	THEORY & PRACTICE OF GST	BCO601	III YEAR VI SEMESTER	B.COM (GENERAL)
172.	MANAGERIAL ACCOUNTING	BCO602	III YEAR VI SEMESTER	B.COM (GENERAL)
173.	COMPANY LAW	BCO603	III YEAR VI SEMESTER	B.COM (GENERAL)



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174.	FINANCIAL INSTITUTIONS & MARKETS	BCO604	III YEAR VI SEMESTER	B.COM (GENERAL)
175.	COMMERCE LAB	BCO605	III YEAR VI SEMESTER	B.COM (GENERAL)
176.	ADVANCED CORPORATE ACCOUNTING	BCO606	III YEAR VI SEMESTER	B.COM (GENERAL)
177.	REGULATION OF INSURANCE BUSINESS	SECC4	III YEAR VI SEMESTER	B.COM (GENERAL)
178.	SECTORS OF INDIAN ECONOMY	GE2	III YEAR VI SEMESTER	B.COM (GENERAL)
179.	NCC/NS/SPORTS	CVW608	III YEAR VI SEMESTER	B.COM (GENERAL)
180.	SCIENCE & CIVILIZATION	S&C609	III YEAR VI SEMESTER	B.COM (GENERAL)
181.	FINANCIAL ACCOUNTING - I	BCO101	I YEAR I SEMESTER	B.COM (COMPUTERS APPLICATIONS)
182.	BUSINESS ECONOMICS	BCO102	I YEAR I SEMESTER	B.COM (COMPUTERS APPLICATIONS)
183.	BUSINESS ORGANIZATION	BCO103	I YEAR I SEMESTER	B.COM (COMPUTERS APPLICATIONS)
184.	INFORMATION TECHNOLOGY	BCO104	I YEAR I SEMESTER	B.COM (COMPUTERS APPLICATIONS)
185.	EVS	AECC1	I YEAR I SEMESTER	B.COM (COMPUTERS APPLICATIONS)
186.	FINANCIAL ACCOUNTING – II	BCO201	I YEAR II SEMESTER	B.COM (COMPUTERS APPLICATIONS)
187.	MANAGERIAL ECONOMICS	BCO202	I YEAR II SEMESTER	B.COM (COMPUTERS APPLICATIONS)
188.	PRINCIPLES OF MANAGEMENT	BCO203	I YEAR II SEMESTER	B.COM (COMPUTERS APPLICATIONS)



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189.	RDBMS	BCO204	I YEAR II SEMESTER	B.COM (COMPUTERS APPLICATIONS)
190.	GENDER SENSITIZATION	AECC2	I YEAR II SEMESTER	B.COM (COMPUTERS APPLICATIONS)
191.	NCC/NSS/SPORTS	CVW206	I YEAR II SEMESTER	B.COM (COMPUTERS APPLICATIONS)
192.	HUMAN VALUES & PROFESSIONAL ETHICS	HVPE207	I YEAR II SEMESTER	B.COM (COMPUTERS APPLICATIONS)
193.	ADVANCED ACCOUNTING	BCO301	II YEAR III SEMESTER	B.COM (COMPUTERS APPLICATIONS)
194.	BUSINESS STATISTICS – I	BCO302	II YEAR III SEMESTER	B.COM (COMPUTERS APPLICATIONS)
195.	INCOME TAX – I	BCO303	II YEAR III SEMESTER	B.COM (COMPUTERS APPLICATIONS)
196.	PROGRAMMING WITH C	BCO304	II YEAR III SEMESTER	B.COM (COMPUTERS APPLICATIONS)
197.	PRINCIPLES OF INSURANCE	SECC1	II YEAR III SEMESTER	B.COM (COMPUTERS APPLICATIONS)
198.	CORPORATE ACCOUNTING	BCO401	II YEAR IV SEMESTER	B.COM (COMPUTERS APPLICATIONS)
199.	BUSINESS STATISTICS – II	BCO402	II YEAR IV SEMESTER	B.COM (COMPUTERS APPLICATIONS)
200.	INCOME TAX – II	BCO403	II YEAR IV SEMESTER	B.COM (COMPUTERS APPLICATIONS)
201.	OOP WITH C++	BCO404	II YEAR IV SEMESTER	B.COM (COMPUTERS APPLICATIONS)
202.	PRACTISE OF LIFE INSURANCE	SECC2	II YEAR IV SEMESTER	B.COM (COMPUTERS APPLICATIONS)



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203.	NCC/NSS/SPORTS	CVW406	II YEAR IV SEMESTER	B.COM (COMPUTERS APPLICATIONS)
204.	PRACTICE OF GENERAL INSURANCE	SECC3	II YEAR IV SEMESTER	B.COM (COMPUTERS APPLICATIONS)
205.	COST ACCOUNTING	BCO501	III YEAR V SEMESTER	B.COM (COMPUTERS APPLICATIONS)
206.	BUSINESS LAW	BCO502	III YEAR V SEMESTER	B.COM (COMPUTERS APPLICATIONS)
207.	BANKING THEORY & PRACTICE	BCO503	III YEAR V SEMESTER	B.COM (COMPUTERS APPLICATIONS)
208.	COMPUTERIZED ACCOUNTING	BCO504	III YEAR V SEMESTER	B.COM (COMPUTERS APPLICATIONS)
209.	E-COMMERCE	BCC/E505	III YEAR V SEMESTER	B.COM (COMPUTERS APPLICATIONS)
210.	MANAGEMENT INFORMATICS SYSTEMS-I	BCC506	III YEAR V SEMESTER	B.COM (COMPUTERS APPLICATIONS)
211.	INTRODUCTION TO INDIAN ECONOMY	GE1	III YEAR V SEMESTER	B.COM (COMPUTERS APPLICATIONS)
212.	MANAGERIAL ACCOUNTING	BCO601	III YEAR VI SEMESTER	B.COM (COMPUTERS APPLICATIONS)
213.	COMPANY LAW	BCO602	III YEAR VI SEMESTER	B.COM (COMPUTERS APPLICATIONS)
214.	THEORY & PRACTICE OF GST	BCO603	III YEAR VI SEMESTER	B.COM (COMPUTERS APPLICATIONS)
215.	COMMERCE LAB	BCO604	III YEAR VI SEMESTER	B.COM (COMPUTERS APPLICATIONS)
216.	E-COMMERCE	BCC605	III YEAR VI SEMESTER	B.COM (COMPUTERS APPLICATIONS)



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217.	MANAGEMENT INFORMATICS SYSTEMS-II	BCC606	III YEAR VI SEMESTER	B.COM (COMPUTERS APPLICATIONS)
218.	REGULATION OF INSURANCE BUSINESS	SECC4	III YEAR VI SEMESTER	B.COM (COMPUTERS APPLICATIONS)
219.	SECTORS OF INDIAAN ECONOMY	GE2	III YEAR VI SEMESTER	B.COM (COMPUTERS APPLICATIONS)
220.	SCIENCE & CIVILIZATION	S&C609	III YEAR VI SEMESTER	B.COM (COMPUTERS APPLICATIONS)
221.	FINANCIAL ACCOUNTING - I	BCO101	I YEAR I SEMESTER	B.COM (E-COMMERCE)
222.	BUSINESS ECONOMICS	BCO102	I YEAR I SEMESTER	B.COM (E-COMMERCE)
223.	BUSINESS ORGANIZATION	BCO103	I YEAR I SEMESTER	B.COM (E-COMMERCE)
224.	INFORMATION TECHNOLOGY	BCO104	I YEAR I SEMESTER	B.COM (E-COMMERCE)
225.	EVS	AECC1	I YEAR I SEMESTER	B.COM (E-COMMERCE)
226.	FINANCIAL ACCOUNTING – II	BCO201	I YEAR II SEMESTER	B.COM (E-COMMERCE)
227.	MANAGERIAL ECONOMICS	BCO202	I YEAR II SEMESTER	B.COM (E-COMMERCE)
228.	PRINCIPLES OF MANAGEMENT	BCO203	I YEAR II SEMESTER	B.COM (E-COMMERCE)
229.	FOREIGN TRADE	BCO204	I YEAR II SEMESTER	B.COM (E-COMMERCE)
230.	GENDER SENSITIZATION	AECC2	I YEAR II SEMESTER	B.COM (E-COMMERCE)
231.	NCC/NSS/SPORTS	CVW206	I YEAR II SEMESTER	B.COM (E-COMMERCE)
232.	HUMAN VALUES & PROFESSIONAL ETHICS	HVPE207	I YEAR II SEMESTER	B.COM (E-COMMERCE)
233.	ADVANCED ACCOUNTING	BCO301	II YEAR III SEMESTER	B.COM (E-COMMERCE)
234.	BUSINESS STATISTICS – I	BCO302	II YEAR III SEMESTER	B.COM (E-COMMERCE)
235.	INCOME TAX - I	BCO303	II YEAR III SEMESTER	B.COM (E-COMMERCE)
236.	PROGRAMMING WITH C	BCO304	II YEAR III SEMESTER	B.COM (E-COMMERCE)
237.	PRINCIPLES OF INSURANCE	SECC1	II YEAR III SEMESTER	B.COM (E-COMMERCE)



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238.	CORPORATE ACCOUNTING	BCO401	II YEAR IV SEMESTER	B.COM (E-COMMERCE)
239.	BUSINESS STATISTICS – II	BCO402	II YEAR IV SEMESTER	B.COM (E-COMMERCE)
240.	INCOME TAX – II	BCO403	II YEAR IV SEMESTER	B.COM (E-COMMERCE)
241.	OOP WITH C++	BCO404	II YEAR IV SEMESTER	B.COM (E-COMMERCE)
242.	PRACTICE OF LIFE INSURANCE	SECC2	II YEAR IV SEMESTER	B.COM (E-COMMERCE)
243.	NCC/NSS/SPORTS	CVW406	II YEAR IV SEMESTER	B.COM (E-COMMERCE)
244.	ENVIRONMENT SCIENCE	ES407	II YEAR IV SEMESTER	B.COM (E-COMMERCE)
245.	COST ACCOUNTING	BCO501	III YEAR V SEMESTER	B.COM (E-COMMERCE)
246.	BUSINESS LAW	BCO502	III YEAR V SEMESTER	B.COM (E-COMMERCE)
247.	BANKING THEORY & PRACTICE	BCO503	III YEAR V SEMESTER	B.COM (E-COMMERCE)
248.	COMPUTERIZED ACCOUNTING	BCO504	III YEAR V SEMESTER	B.COM (E-COMMERCE)
249.	FUNDAMENTALS OF E- COMMERCE	BCC/E505	III YEAR V SEMESTER	B.COM (E-COMMERCE)
250.	E-COMMERCE & FUNCTIONAL BUSINESS SYSTEM	BCC506	III YEAR V SEMESTER	B.COM (E-COMMERCE)
251.	PRACTICE OF GENERAL INSURANCE	SECC3	III YEAR V SEMESTER	B.COM (E-COMMERCE)
252.	MANAGERIAL ACCOUNTING	BCO601	III YEAR VI SEMESTER	B.COM (E-COMMERCE)
253.	COMPANY LAW	BCO602	III YEAR VI SEMESTER	B.COM (E-COMMERCE)
254.	RDBMS & SYSTEM ANALYSIS & DESIGN	BCO603	III YEAR VI SEMESTER	B.COM (E-COMMERCE)
255.	COMMERCE LAB	BCO604	III YEAR VI SEMESTER	B.COM (E-COMMERCE)
256.	E-COMMERCE APPLICATION	BCC605	III YEAR VI SEMESTER	B.COM (E-COMMERCE)
257.	THEORY & PRACTICE OF GST	BCC606	III YEAR VI SEMESTER	B.COM (E-COMMERCE)



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258.	REGULATION OF INSURANCE BUSINESS	SECC4	III YEAR VI SEMESTER	B.COM (E-COMMERCE)
259.	NCC/NSS/SPORTS	CVW608	III YEAR VI SEMESTER	B.COM (E-COMMERCE)
260.	SCIENCE & CIVILIZATION	S&C609	III YEAR VI SEMESTER	B.COM (E-COMMERCE)
261.	MANAGERIAL ECONOMICS	COM1: CORE-I	I YEAR II SEMESTER	M.COM
262.	PRINCIPAL OF MARKETING	COM2: CORE-2	I YEAR II SEMESTER	M.COM
263.	OT & OB	COM3: CORE-2I	I YEAR II SEMESTER	M.COM
264.	FINANCIAL MANAGEMENT	COM4: ELECTIVE-I	I YEAR II SEMESTER	M.COM
265.	ACCOUNTING STANDARDS	COM5: ELECTIVE-2	I YEAR II SEMESTER	M.COM
266.	BUSINESS ENVIRONMENT & POLICY	COM6: CORE-I	I YEAR II SEMESTER	M.COM
267.	MARKETING MANAGEMENT	COM7: CORE-2	I YEAR II SEMESTER	M.COM
268.	HUMAN RESOURCES MANAGEMENT	COM8: CORE-2I	I YEAR II SEMESTER	M.COM
269.	INVESTMENT MANAGEMENT	COM9: ELECTIVE-I	I YEAR II SEMESTER	M.COM
270.	ADVANCED MANAGERIAL ACCOUNTING	COM10: ELECTIVE-2	I YEAR II SEMESTER	M.COM
271.	RESEARCH METHODOLOGY & STATICALLY ANALYSIS	COM11: CORE-I	II YEAR III SEMESTER	M.COM
272.	E- COMMERCE	COM12: CORE-2	II YEAR III SEMESTER	M.COM



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273.	COST ACCOUNTING & CONTROL	COM13: CORE-2I	II YEAR III SEMESTER	M.COM
274.	INTERNATIONAL FINANCIAL MANAGEMENT	COM14: ELECTIVE-I	II YEAR III SEMESTER	M.COM
275.	SECURITY ANALYSIS & PORTFOLIO MANAGEMENT	COM15: ELECTIVE-2	II YEAR III SEMESTER	M.COM
276.	BUSINESS ORGANISATION & MANAGEMENT	ID PAPER	II YEAR III SEMESTER	M.COM
277.	SEMINAR	SEMINAR	II YEAR III SEMESTER	M.COM
278.	QUANTITATIVE TECHNIQUES FOR BUSINESS DECISIONS	COM16: CORE-I	II YEAR IV SEMESTER	M.COM
279.	BUSINESS & COOPERATIVE TAXATION	COM17: CORE-2	II YEAR IV SEMESTER	M.COM
280.	STRATEGIC MANAGEMENT	COM18: CORE-2I	II YEAR IV SEMESTER	M.COM
281.	FINANCIAL SERVICE	COM19: ELECTIVE-I	II YEAR IV SEMESTER	M.COM
282.	FINANCIAL DERIVATION	COM3L20: ELECTIVE-2	II YEAR IV SEMESTER	M.COM
283.	PROJECT WORK	COM21	II YEAR IV SEMESTER	M.COM
284.	SEMINAR	SEMINAR	II YEAR IV SEMESTER	M.COM
285.	CHEMISTRY-I	6109	I YEAR I SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
286.	CHEMISTRY-I PR	6109P	I YEAR I SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
287.	EVS	AECC1	I YEAR I SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
288.	CHEMISTRY-II	6209	I YEAR II SEMESTER	BSC (NZC, BZC, BTBC, BTMBC,



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				MPC)
289.	CHEMISTRY-II PR	6209P	I YEAR II SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
290.	GENDER SENSITIZATION	AECC2	I YEAR II SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
291.	CHEMISTRY-III	6309	II YEAR III SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
292.	CHEMISTRY-III PR	6309P	II YEAR III SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
293.	SOAPS AND DETERGENTS	A6309	II YEAR III SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
294.	CHEMISTRY-IV	6409	II YEAR IV SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
295.	CHEMISTRY-IV PR	6409P	II YEAR IV SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
296.	INDUSTRIAL CHEMISTRY	16409	II YEAR IV SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
297.	CHEMISTRY-V A CHEMISTRY-V B	6509	III YEAR V SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
298.	CHEMISTRY-V A PR CHEMISTRY-V B PR	6509P	III YEAR V SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
299.	CHEMISTRY-VI A CHEMISTRY-VI B	6609	III YEAR VI SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
300.	CHEMISTRY-VI A PR CHEMISTRY-VI B PR	6609P	III YEAR VI SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
301.	INORGANIC CHEMISTRY	511	I YEAR I SEMESTER	MSC (CHEMISTRY)
302.	ORGANIC CHEMISTRY	512	I YEAR I SEMESTER	MSC (CHEMISTRY)
303.	PHYSICAL CHEMISTRY	513	I YEAR I SEMESTER	MSC (CHEMISTRY)



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304.	ANALYTICAL TECHNIQUES AND SPECTROSCOPY-1	514	I YEAR I SEMESTER	MSC (CHEMISTRY)
305.	COMMUNICATIVE ENGLISH SOFT SKILLS	116	I YEAR I SEMESTER	MSC (CHEMISTRY)
306.	INORGANIC CHEMISTRY PR	515P	I YEAR I SEMESTER	MSC (CHEMISTRY)
307.	ORGANIC CHEMISTRY PR	516P	I YEAR I SEMESTER	MSC (CHEMISTRY)
308.	PHYSICAL CHEMISTRY PR	517P	I YEAR I SEMESTER	MSC (CHEMISTRY)
309.	INORGANIC CHEMISTRY	521	I YEAR II SEMESTER	MSC (CHEMISTRY)
310.	ORGANIC CHEMISTRY	522	I YEAR II SEMESTER	MSC (CHEMISTRY)
311.	PHYSICAL CHEMISTRY	523	I YEAR II SEMESTER	MSC (CHEMISTRY)
312.	ANALYTICAL TECHNIQUES AND SPECTROSCOPY- II	524	I YEAR II SEMESTER	MSC (CHEMISTRY)
313.	HUMAN VALUES AND PROFESSIONAL ETHICS	126	I YEAR II SEMESTER	MSC (CHEMISTRY)
314.	INORGANIC CHEMISTRY PR	525P	I YEAR II SEMESTER	MSC (CHEMISTRY)
315.	ORGANIC CHEMISTRY PR	526P	I YEAR II SEMESTER	MSC (CHEMISTRY)
316.	PHYSICAL CHEMISTRY PR	527P	I YEAR II SEMESTER	MSC (CHEMISTRY)
317.	SYNTHETIC REAGENTS, ADVANCED NMR, CONFORMATIONAL ANALYSIS AND ORD	531	II YEAR III SEMESTER	MSC (CHEMISTRY)
318.	MODERN ORGANIC SYNTHESIS	532	II YEAR III SEMESTER	MSC (CHEMISTRY)
319.	BIO ORGANIC CHEMISTRY	533	II YEAR III SEMESTER	MSC (CHEMISTRY)
320.	GREEN CHEMISTRY AND ORGANIC MATERIALS	534	II YEAR III SEMESTER	MSC (CHEMISTRY)



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321.	BIO-TECHNOLOGY AND HEALTH CARE	535	II YEAR III SEMESTER	MSC (CHEMISTRY)
322.	SEMINAR	SEMINAR	II YEAR III SEMESTER	MSC (CHEMISTRY)
323.	SYNTHESIS OF ORGANIC MOLECULES, ISOLATION OF NATURAL PRODUCTS AND TLC PR	536P	II YEAR III SEMESTER	MSC (CHEMISTRY)
324.	SEPARATION AND IDENTIFICATION OF ORGANIC COMPOUNDS AND COLUMN CHROMATOGRAPHY PR	537P	II YEAR III SEMESTER	MSC (CHEMISTRY)
325.	DRUG DESIGN AND DRUG DISCOVERY	541	II YEAR IV SEMESTER	MSC (CHEMISTRY)
326.	DRUG SYNTHESIS AND MECHANISM OF ACTION	542	II YEAR IV SEMESTER	MSC (CHEMISTRY)
327.	ADVANCED HETEROCYCLIC CHEMISTRY	543	II YEAR IV SEMESTER	MSC (CHEMISTRY)
328.	ADVANCED NATURAL PRODUCTS	544	II YEAR IV SEMESTER	MSC (CHEMISTRY)
329.	FOOD MICROBIOLOGY	545	II YEAR IV SEMESTER	MSC (CHEMISTRY)
330.	SEMINAR	SEMINAR	II YEAR IV SEMESTER	MSC (CHEMISTRY)
331.	SPECTROSCOPIC IDENTIFICATION OF ORGANIC COMPOUNDS AND PRACTICE OF CHEMISTRY SOFTWARE PROGRAMMES PR	546P	II YEAR IV SEMESTER	MSC (CHEMISTRY)
332.	SYNTHESIS AND ANALYSIS OF	547P	II YEAR IV SEMESTER	MSC (CHEMISTRY)



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	DRUGS PR			
333.	MATHEMATICS-I	7141	I YEAR I SEMESTER	BSC (CSE)
334.	ECM	7142	I YEAR I SEMESTER	BSC (CSE)
335.	ECM-LAB	7142P	I YEAR I SEMESTER	BSC (CSE)
336.	IIT	7143	I YEAR I SEMESTER	BSC (CSE)
337.	IIT-LAB	7143P	I YEAR I SEMESTER	BSC (CSE)
338.	PROGRAMMING IN C	7144	I YEAR I SEMESTER	BSC (CSE)
339.	PROGRAMMING IN C-LAB	7144P	I YEAR I SEMESTER	BSC (CSE)
340.	INTRODUCTION TO INTERNET	A7145	I YEAR I SEMESTER	BSC (CSE)
341.	MATHEMATICS-II	7246	I YEAR II SEMESTER	BSC (CSE)
342.	PHYSICS	7247	I YEAR II SEMESTER	BSC (CSE)
343.	PHYSICS-LAB	7247P	I YEAR II SEMESTER	BSC (CSE)
344.	EDC	7248	I YEAR II SEMESTER	BSC (CSE)
345.	EDC-LAB	7248P	I YEAR II SEMESTER	BSC (CSE)
346.	PROG. IN UNIX	7249	I YEAR II SEMESTER	BSC (CSE)
347.	PROG. IN UNIX-LAB	7249P	I YEAR II SEMESTER	BSC (CSE)
348.	FUNDAMENTALS OF COMPUTING	17250	I YEAR II SEMESTER	BSC (CSE)
349.	MATHEMATICS-III	7352	II YEAR III SEMESTER	BSC (CSE)
350.	DLD	7353	II YEAR III SEMESTER	BSC (CSE)
351.	DLD-LAB	7353P	II YEAR III SEMESTER	BSC (CSE)
352.	OS	7354	II YEAR III SEMESTER	BSC (CSE)
353.	OS-LAB	7354P	II YEAR III SEMESTER	BSC (CSE)
354.	OOP-C++	7355	II YEAR III SEMESTER	BSC (CSE)
355.	OOP-C++-LAB	7355P	II YEAR III SEMESTER	BSC (CSE)
356.	M-COMMERCE	A7356	II YEAR III SEMESTER	BSC (CSE)
357.	PROBABILITY & STATS.	7456	II YEAR IV SEMESTER	BSC (CSE)
358.	DATA STRUCTURES	7457	II YEAR IV SEMESTER	BSC (CSE)



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359.	DATA STRUCTURES-LAB	7457P	II YEAR IV SEMESTER	BSC (CSE)
360.	MP8086 & INTERFACING	7458	II YEAR IV SEMESTER	BSC (CSE)
361.	MP8086 – LAB	7458P	II YEAR IV SEMESTER	BSC (CSE)
362.	PROG. IN JAVA	7459	II YEAR IV SEMESTER	BSC (CSE)
363.	PROG. IN JAVA-LAB	7459P	II YEAR IV SEMESTER	BSC (CSE)
364.	BASICS OF PROGRAMMING	17460	II YEAR IV SEMESTER	BSC (CSE)
365.	COMP. NET	7561	III YEAR V SEMESTER	BSC (CSE)
366.	COMPILER CONSTRUCTION	7562	III YEAR V SEMESTER	BSC (CSE)
367.	EMBEDDED SYSTEM	7563	III YEAR V SEMESTER	BSC (CSE)
368.	EMBEDDED SYS- LAB	7563P	III YEAR V SEMESTER	BSC (CSE)
369.	MDBMS	7564	III YEAR V SEMESTER	BSC (CSE)
370.	MDBMS-LAB	7564P	III YEAR V SEMESTER	BSC (CSE)
371.	SOFTWARE ENGINEERING	A7565	III YEAR V SEMESTER	BSC (CSE)
372.	NETWORK SECURITY	7666	III YEAR VI SEMESTER	BSC (CSE)
373.	WEB PROGRAMMING	7667	III YEAR VI SEMESTER	BSC (CSE)
374.	WEB PROG-LAB	7667P	III YEAR VI SEMESTER	BSC (CSE)
375.	CSP	7668	III YEAR VI SEMESTER	BSC (CSE)
376.	CSP-LAB	7668P	III YEAR VI SEMESTER	BSC (CSE)
377.	PROJECT/SEMINAR	7669	III YEAR VI SEMESTER	BSC (CSE)
378.	BASIC WEB DESIGNING	17670	III YEAR VI SEMESTER	BSC (CSE)
379.	PROGRAMMING IN C	6110	I YEAR I SEMESTER	BSC (MECS, MPC)



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380.	PROGRAMMING IN C LAB	6110P	I YEAR I SEMESTER	BSC (MECS, MPC)
381.	EVS	AECC1	I YEAR I SEMESTER	BSC (MECS, MPC)
382.	PROGRAMMING IN C++	6210	I YEAR II SEMESTER	BSC (MECS, MPC)
383.	PROGRAMMING IN C++ LAB	6210P	I YEAR II SEMESTER	BSC (MECS, MPC)
384.	GENDER SENSITIZATION	AECC2	I YEAR II SEMESTER	BSC (MECS, MPC)
385.	PROGRAMMING IN JAVA	6310	II YEAR III SEMESTER	BSC (MECS, MPC)
386.	JAVA LAB	6310P	II YEAR III SEMESTER	BSC (MECS, MPC)
387.	M COMMERCE	A6310	II YEAR III SEMESTER	BSC (MECS, MPC)
388.	DATA STRUCTURES	6410	II YEAR IV SEMESTER	BSC (MECS, MPC)
389.	DS LAB	6410P	II YEAR IV SEMESTER	BSC (MECS, MPC)
390.	BASIC OF PROGRAMMING	I6410	II YEAR IV SEMESTER	BSC (MECS, MPC)
391.	DATA BASE MANAGEMENT SYSTEM A OPERATING SYS B	6510	III YEAR V SEMESTER	BSC (MECS, MPC)
392.	DBMS A LAB OPERATING SYS B LAB	6510P	III YEAR V SEMESTER	BSC (MECS, MPC)
393.	SOFTWARE ENGINEERING	A6510	III YEAR V SEMESTER	BSC (MECS, MPC)
394.	WEB TECHNOLOGIES A COMP NET B	6610	III YEAR VI SEMESTER	BSC (MECS, MPC)
395.	WB A LAB COMP NET B LAB	6610P	III YEAR VI SEMESTER	BSC (MECS, MPC)
396.	BASIC WEB DESIGN	I6610	III YEAR VI SEMESTER	BSC (MECS, MPC)
397.	MICRO ECONOMICS	1111	I YEAR I SEMESTER	BA (EPP)
398.	TAXATION	A1111	I YEAR I SEMESTER	BA (EPP)
399.	MACRO ECONOMICS	1211	I YEAR II SEMESTER	BA (EPP)
400.	PUBLIC FINANCE	11211	I YEAR II SEMESTER	BA (EPP)
401.	MICRO ECONOMICS	1311	II YEAR III SEMESTER	BA (EPP)



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402.	MONEY AND BANKING	A1111	II YEAR III SEMESTER	BA (EPP)
403.	PUBLIC ECONOMICS	1411	II YEAR IV SEMESTER	BA (EPP)
404.	ENVIRONMENTAL ECONOMICS	11211	II YEAR IV SEMESTER	BA (EPP)
405.	INDIAN ECONOMY	1511	III YEAR V SEMESTER	BA (EPP)
406.	PUBLIC FINANCE	1511	III YEAR V SEMESTER	BA (EPP)
407.	INDUSTRIAL ECONOMICS	A1111	III YEAR V SEMESTER	BA (EPP)
408.	INDIAN ECONOMY	1611	III YEAR VI SEMESTER	BA (EPP)
409.	PUBLIC FINANCE AND INTERNATIONAL ECONOMICS	1611	III YEAR VI SEMESTER	BA (EPP)
410.	FINANCIAL ECONOMICS	11211	III YEAR VI SEMESTER	BA (EPP)
411.	MICRO ECONOMICS ANALYSIS-I	101	I YEAR I SEMESTER	MA (ECONOMICS)
412.	MACRO ECONOMICS ANALYSIS-I	102	I YEAR I SEMESTER	MA (ECONOMICS)
413.	QUANTITATIVE METHODS- I	103	I YEAR I SEMESTER	MA (ECONOMICS)
414.	AGRICULTURAL ECONOMICS- L OR COMPUTER APPLICATIONS-L	104	I YEAR I SEMESTER	MA (ECONOMICS)
415.	ECONOMICS OF SOCIAL SECTOR-I OR FINANCIAL ECONOMICS-I	105	I YEAR I SEMESTER	MA (ECONOMICS)
416.	COMMUNICATIVE ENGLISH & SOFT SKILLS	106	I YEAR I SEMESTER	MA (ECONOMICS)
417.	SEMINAR		I YEAR I SEMESTER	MA (ECONOMICS)



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418.	MICRO ECONOMICS ANALYSIS-II	201	I YEAR II SEMESTER	MA (ECONOMICS)
419.	MACRO ECONOMICS ANALYSIS-II	202	I YEAR II SEMESTER	MA (ECONOMICS)
420.	QUANTITATIVE METHODS- II	203	I YEAR II SEMESTER	MA (ECONOMICS)
421.	AGRICULTURAL ECONOMICS- LI OR COMPUTER APPLICATIONS-II	204	I YEAR II SEMESTER	MA (ECONOMICS)
422.	ECONOMICS OF SOCIAL SECTOR-II OR FINANCIAL ECONOMICS-II	205	I YEAR II SEMESTER	MA (ECONOMICS)
423.	HUMAN VALUES AND PROFESSIONAL ETHICS	206	I YEAR II SEMESTER	MA (ECONOMICS)
424.	SEMINAR	SEMINAR	I YEAR II SEMESTER	MA (ECONOMICS)
425.	ECONOMETRICS-I	301	I YEAR III SEMESTER	MA (ECONOMICS)
426.	INTERNATIONAL ECONOMICS-I	302	I YEAR III SEMESTER	MA (ECONOMICS)
427.	PUBLIC ECONOMICS-I	303	I YEAR III SEMESTER	MA (ECONOMICS)
428.	INDUSTRIAL ECONOMICS-I OR AGRI-BUSINESS-I	304	I YEAR III SEMESTER	MA (ECONOMICS)
429.	DEMOGRAPHY-I OR DEVELOPMENT ECONOMICS-I	305	I YEAR III SEMESTER	MA (ECONOMICS)
430.	TELANGANA ECONOMY	306	I YEAR III SEMESTER	MA (ECONOMICS)
431.	SEMINAR		I YEAR III SEMESTER	MA (ECONOMICS)
432.	ECONOMETRICS-II	401	I YEAR IV SEMESTER	MA (ECONOMICS)
433.	INTERNATIONAL ECONOMICS-II	402	I YEAR IV SEMESTER	MA (ECONOMICS)



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434.	ENVIRONMENTAL ECONOMICS-II	403	I YEAR IV SEMESTER	MA (ECONOMICS)
435.	INDUSTRIAL ECONOMICS-II OR AGRI-BUSINESS-II	404	I YEAR IV SEMESTER	MA (ECONOMICS)
436.	ECONOMICS OF INSURANCE OR TELANGANA ECONOMY	405	I YEAR IV SEMESTER	MA (ECONOMICS)
437.	INDIAN ECONOMY AND DEVELOPMENT	406	I YEAR IV SEMESTER	MA (ECONOMICS)
438.	SEMINAR	SEMINAR	I YEAR IV SEMESTER	MA (ECONOMICS)
439.	CIRCUIT ANALYSIS	6112	I YEAR I SEMESTER	BSC (MECS, MPE)
440.	CIRCUIT ANALYSIS PR	6112P	I YEAR I SEMESTER	BSC (MECS, MPE)
441.	INDUSTRIAL ELECTRONICS	A6112	I YEAR I SEMESTER	BSC (MECS, MPE)
442.	ELECTRONIC DEVICES	6212	I YEAR II SEMESTER	BSC (MECS, MPE)
443.	ELECTRONIC DEVICES PR	6212P	I YEAR II SEMESTER	BSC (MECS, MPE)
444.	FUNDAMENTALS OF ELECTRONICS	16212	I YEAR II SEMESTER	BSC (MECS, MPE)
445.	POWER SUPPLIES & ANALOG CIRCUITS	6312	II YEAR III SEMESTER	BSC (MECS, MPE)
446.	POWER SUPPLIES & ANALOG CIRCUITS PR	6312P	II YEAR III SEMESTER	BSC (MECS, MPE)
447.	DIGITAL SIGNAL PROCESSING	A6312	II YEAR III SEMESTER	BSC (MECS, MPE)
448.	APPLICATION OF OPERATIONAL AMPLIFIERS & COMMUNICATION	6412	II YEAR IV SEMESTER	BSC (MECS, MPE)



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449.	APPLICATION OF OPERATIONAL AMPLIFIERS & COMMUNICATION PR	6412P	II YEAR IV SEMESTER	BSC (MECS, MPE)
450.	MODERN COMMUNICATION SYSTEM	16412	II YEAR IV SEMESTER	BSC (MECS, MPE)
451.	DIGITAL ELECTRONICS & MICROPROCESSOR-INTEL 8085	6512	III YEAR V SEMESTER	BSC (MECS, MPE)
452.	DIGITAL ELECTRONICS & MICROPROCESSOR-INTEL 8085 PR	6512P	III YEAR V SEMESTER	BSC (MECS, MPE)
453.	PIC & ATMEL MICROCONTROLLERS	A6512	III YEAR V SEMESTER	BSC (MECS, MPE)
454.	FUNDAMENTALS OF EMBEDDED SYSTEMS & MICROCONTROLLER	6612	III YEAR VI SEMESTER	BSC (MECS, MPE)
455.	FUNDAMENTALS OF EMBEDDED SYSTEMS & MICROCONTROLLER PR	6612P	III YEAR VI SEMESTER	BSC (MECS, MPE)
456.	MICROPROCESSOR & MICROCONTROLLER	16612	III YEAR VI SEMESTER	BSC (MECS, MPE)
457.	ENGLISH-I	ELS-1	I YEAR I SEMESTER	BA, B.COM, BSC, BBA, BBM
458.	ENGLISH-II	ELS-2	I YEAR II SEMESTER	BA, B.COM, BSC, BBA, BBM
459.	ENGLISH-III	ELS-3	II YEAR III SEMESTER	BA, B.COM, BSC, BBA, BBM
460.	ENGLISH-IV	ELS-4	II YEAR IV SEMESTER	BA, B.COM, BSC, BBA, BBM



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461.	THE ENGLISH LANGUAGE: HISTORY, DESCRIPTION AND PRACTICE	101	I YEAR I SEMESTER	MA (ENGLISH)
462.	ENGLISH POETRY	102	I YEAR I SEMESTER	MA (ENGLISH)
463.	ENGLISH DRAMA	103	I YEAR I SEMESTER	MA (ENGLISH)
464.	ENGLISH LANGUAGE AND PHONETICS	104	I YEAR I SEMESTER	MA (ENGLISH)
465.	MODERN INDIAN LITERATURES IN TRANSLATION	105	I YEAR I SEMESTER	MA (ENGLISH)
466.	ENGLISH LANGUAGE TEACHING HISTORY, APPROACHES AND METHODS	201	I YEAR II SEMESTER	MA (ENGLISH)
467.	ENGLISH PROSE	202	I YEAR II SEMESTER	MA (ENGLISH)
468.	ENGLISH FICTION	203	I YEAR II SEMESTER	MA (ENGLISH)
469.	WOMEN'S WRITING	204	I YEAR II SEMESTER	MA (ENGLISH)
470.	TWENTIETH CENTURY LITERARY CRITICISM AND THEORY	205	I YEAR II SEMESTER	MA (ENGLISH)
471.	ENGLISH LANGUAGE TEACHING CLASSROOM TECHNIQUES AND PRACTICAL ENGLISH	301	II YEAR III SEMESTER	MA (ENGLISH)
472.	AMERICAN LITERATURE	302	II YEAR III SEMESTER	MA (ENGLISH)
473.	INDIAN WRITING IN ENGLISH- I	303	II YEAR III SEMESTER	MA (ENGLISH)
474.	POSTCOLONIAL LITERATURES	304	II YEAR III SEMESTER	MA (ENGLISH)



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475.	LITERATURE AND FILM	305	II YEAR III SEMESTER	MA (ENGLISH)
476.	ENGLISH LANGUAGE TEACHING HISTORY, APPROACHES AND METHODS	401	II YEAR IV SEMESTER	MA (ENGLISH)
477.	ENGLISH PROSE	402	II YEAR IV SEMESTER	MA (ENGLISH)
478.	ENGLISH FICTION	403	II YEAR IV SEMESTER	MA (ENGLISH)
479.	WOMEN'S WRITING	404	II YEAR IV SEMESTER	MA (ENGLISH)
480.	TWENTIETH CENTURY LITERARY CRITICISM AND THEORY	405	II YEAR IV SEMESTER	MA (ENGLISH)
481.	HINDI-I	SL0104	I YEAR I SEMESTER	BA B.COM BSC BBA BBM
482.	HINDI-II	SL0204	I YEAR II SEMESTER	BA B.COM BSC BBA BBM
483.	HINDI-III	SL0304	II YEAR III SEMESTER	BA B.COM BSC BBA BBM
484.	HINDI-IV	SL0404	II YEAR IV SEMESTER	BA B.COM BSC BBA BBM
485.	HISTORY OF INDIA (FROM EARLIEST TIMES TO 700 CE)	1113	I YEAR I SEMESTER	BA (HPML)
486.	EVS	AECC1	I YEAR I SEMESTER	BA (HPML)
487.	HISTORY OF INDIA (FROM 700-15 II6 CE)	1213	I YEAR II SEMESTER	BA (HPML)
488.	GENDER SENSITIZATION	AECC2	I YEAR II SEMESTER	BA (HPML)
489.	HISTORY OF INDIA (FROM 15 II6-1857CE)	1313	II YEAR III SEMESTER	BA (HPML)
490.	HISTORY AND CULTURE OF TELANGANA	ADDON	II YEAR III SEMESTER	BA (HPML)
491.	HISTORY OF INDIA (FROM 1858 -1964 CE)	1413	II YEAR IV SEMESTER	BA (HPML)
492.	HISTORY OF TOURISM IN INDIA	IDE	II YEAR IV SEMESTER	BA (HPML)



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493.	WORLD HISTORY (1453-1815 CE)	1513A	III YEAR V SEMESTER	BA (HPML)
494.	ISLAMIC HISTORY & CULTURE (FROM EARLIEST TIMES TO FALL OF UMAYYAD)	1513B	III YEAR V SEMESTER	BA (HPML)
495.	ARCHIVES & MUSEUMS	ADDON	III YEAR V SEMESTER	BA (HPML)
496.	WORLD HISTORY (1815-1950 CE)	1513A	III YEAR VI SEMESTER	BA (HPML)
497.	ISLAMIC HISTORY & CULTURE (RISE OF ABBASIDS TO CRUSADES)	1513A	III YEAR VI SEMESTER	BA (HPML)
498.	HISTORY OF WORLD TOURISM	IDE	III YEAR VI SEMESTER	BA (HPML)
499.	HISTORY OF INDIA (FROM EARLIEST TIMES TO 1106 CE)	211	I YEAR I SEMESTER	MA (HISTORY)
500.	HISTORY OF MODERN WORLD (FROM 1453 TO 1871 CE)	212	I YEAR I SEMESTER	MA (HISTORY)
501.	HISTORY & CULTURE OF TELANGANA (FROM EARLIEST TIMES TO 1714 CE)	213	I YEAR I SEMESTER	MA (HISTORY)
502.	ANCIENT CIVILIZATION	214A	I YEAR I SEMESTER	MA (HISTORY)
503.	HISTORY OF CHINA (1879 TO 1949 CE)	214B	I YEAR I SEMESTER	MA (HISTORY)
504.	TOURISM & CULTURE	215A	I YEAR I SEMESTER	MA (HISTORY)
505.	HISTORY OF USA (1776 TO 1945 CE)	215B	I YEAR I SEMESTER	MA (HISTORY)
506.	COMMUNICATIVE ENGLISH & SOFT SKILLS	116	I YEAR I SEMESTER	MA (HISTORY)



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507.	HISTORY OF INDIA (1 II06-1858 CE)	221	I YEAR II SEMESTER	MA (HISTORY)
508.	HISTORY OF MODERN WORLD (FROM 1871 1964 CE)	222	I YEAR II SEMESTER	MA (HISTORY)
509.	HISTORY & CULTURE OF TELANGANA (17 II4 TO II014 CE)	223	I YEAR II SEMESTER	MA (HISTORY)
510.	HISTORIOGRAPHY & HISTORICAL METHOD	224A	I YEAR II SEMESTER	MA (HISTORY)
511.	HISTORY OF RUSSIA (1861-1991 CE)	224B	I YEAR II SEMESTER	MA (HISTORY)
512.	ENVIRONMENTAL HISTORY OF MODEM INDIA	225A	I YEAR II SEMESTER	MA (HISTORY)
513.	HISTORY OF JAPAN (1850-1945 CE)	225B	I YEAR II SEMESTER	MA (HISTORY)
514.	BASICS OF COMPUTER SCIENCE	126	I YEAR II SEMESTER	MA (HISTORY)
515.	SOCIAL, ECONOMIC & CULTURAL HISTORY OF MEDIEVAL INDIA (1 II08-1707 CE)	231	II YEAR III SEMESTER	MA (HISTORY)
516.	SOCIAL, ECONOMIC & CULTURAL HISTORY OF MODEM INDIA (1707-1947 CE)	232	II YEAR III SEMESTER	MA (HISTORY)



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517.	HISTORY OF DALIT MOVEMENT IN INDIA (1900 - 1947 AD)	233	II YEAR III SEMESTER	MA (HISTORY)
518.	HISTORY OF SCIENCE & TECHNOLOGY IN MODERN INDIA (1800-1964 CE)	234A	II YEAR III SEMESTER	MA (HISTORY)
519.	ARCHITECTURE IN DECCAN	234B	II YEAR III SEMESTER	MA (HISTORY)
520.	HISTORY OF CONTEMPORARY INDIA (1947- II000 CE)	235	II YEAR III SEMESTER	MA (HISTORY)
521.	CULTURAL HERITAGE OF INDIA PART A	236	II YEAR III SEMESTER	MA (HISTORY)
522.	NATIONAL MOVEMENT IN INDIA (1858 1947 CE)	241	II YEAR IV SEMESTER	MA (HISTORY)
523.	BUDDHIST STUDIES	242	II YEAR IV SEMESTER	MA (HISTORY)
524.	TRIBAL & PEASANT MOVEMENT IN INDIA (19 & II0 CENTURIES)	243	II YEAR IV SEMESTER	MA (HISTORY)
525.	CONSTITUTIONAL HISTORY OF INDIA (1773 1947 CE)	244A	II YEAR IV SEMESTER	MA (HISTORY)
526.	ARCHIVES & MUSEUMS	244B	II YEAR IV SEMESTER	MA (HISTORY)
527.	WOMEN STUDIES IN MODEM INDIA	245	II YEAR IV SEMESTER	MA (HISTORY)
528.	CULTURAL HERITAGE OF INDIA PART B	246	II YEAR IV SEMESTER	MA (HISTORY)
529.	DIFFERENTIAL CALCULUS	BS102	I YEAR I SEMESTER	BSC (MPCS, MPC, MECS, MPE)



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530.	DIFFERENTIAL CALCULUS PR	BS105	I YEAR I SEMESTER	BSC (MPCS, MPC, MECS, MPE)
531.	DIFFERENTIAL EQUATIONS	BS202	I YEAR II SEMESTER	BSC (MPCS, MPC, MECS, MPE)
532.	DIFFERENTIAL EQUATIONS PR	BS205	I YEAR II SEMESTER	BSC (MPCS, MPC, MECS, MPE)
533.	REAL ANALYSIS	BS302	II YEAR III SEMESTER	BSC (MPCS, MPC, MECS, MPE)
534.	REAL ANALYSIS PR	BS305	II YEAR III SEMESTER	BSC (MPCS, MPC, MECS, MPE)
535.	ALGEBRA	BS402	II YEAR IV SEMESTER	BSC (MPCS, MPC, MECS, MPE)
536.	ALGEBRA PR	BS405	II YEAR IV SEMESTER	BSC (MPCS, MPC, MECS, MPE)
537.	LINEAR ALGEBRA	BS502	III YEAR V SEMESTER	BSC (MPCS, MPC, MECS, MPE)
538.	LINEAR ALGEBRA PR	BS505	III YEAR V SEMESTER	BSC (MPCS, MPC, MECS, MPE)
539.	NUMERICAL ANALYSIS	BS602	III YEAR VI SEMESTER	BSC (MPCS, MPC, MECS, MPE)
540.	NUMERICAL ANALYSIS PR	BS605	III YEAR VI SEMESTER	BSC (MPCS, MPC, MECS, MPE)
541.	ALGEBRA	AM101	I YEAR I SEMESTER	MSC (APPLIED MATHEMATICS)
542.	ANALYSIS	AM102	I YEAR I SEMESTER	MSC (APPLIED MATHEMATICS)
543.	MATHEMATICAL METHODS	AM103	I YEAR I SEMESTER	MSC (APPLIED MATHEMATICS)



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544.	MECHANICS	AM104	I YEAR I SEMESTER	MSC (APPLIED MATHEMATICS)
545.	ALGEBRA PR	AM151	I YEAR I SEMESTER	MSC (APPLIED MATHEMATICS)
546.	ANALYSIS PR	AM152	I YEAR I SEMESTER	MSC (APPLIED MATHEMATICS)
547.	MATHEMATICAL METHODS PR	AM153	I YEAR I SEMESTER	MSC (APPLIED MATHEMATICS)
548.	MECHANICS PR	AM154	I YEAR I SEMESTER	MSC (APPLIED MATHEMATICS)
549.	ADVANCED ALGEBRA	AM201	I YEAR II SEMESTER	MSC (APPLIED MATHEMATICS)
550.	ADVANCED ANALYSIS	AM202	I YEAR II SEMESTER	MSC (APPLIED MATHEMATICS)
551.	COMPLEX ANALYSIS	AM203	I YEAR II SEMESTER	MSC (APPLIED MATHEMATICS)
552.	FLUID MECHANICS	AM204	I YEAR II SEMESTER	MSC (APPLIED MATHEMATICS)
553.	ADVANCED ALGEBRA PR	AM251	I YEAR II SEMESTER	MSC (APPLIED MATHEMATICS)
554.	ADVANCED ANALYSIS PR	AM252	I YEAR II SEMESTER	MSC (APPLIED MATHEMATICS)
555.	COMPLEX ANALYSIS PR	AM253	I YEAR II SEMESTER	MSC (APPLIED MATHEMATICS)
556.	FLUID MECHANICS PR	AM254	I YEAR II SEMESTER	MSC (APPLIED MATHEMATICS)
557.	VISCOUS FLOWS	AM301	II YEAR III SEMESTER	MSC (APPLIED MATHEMATICS)



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558.	FINITE DIFFERENCE METHODS	AM302	II YEAR III SEMESTER	MSC (APPLIED MATHEMATICS)
559.	COMPRESSIBLE FLOWS INTEGRAL TRANSFORMS DIFFERENTIAL GEOMETRY	AM303A AM303B AM303C	II YEAR III SEMESTER	MSC (APPLIED MATHEMATICS)
560.	NUMERICAL TECHNIQUES OPERATIONS RESEARCH DYNAMICAL SYSTEMS	AM304A AM304B AM304C	II YEAR III SEMESTER	MSC (APPLIED MATHEMATICS)
561.	VISCOUS FLOWS PR	AM351	II YEAR III SEMESTER	MSC (APPLIED MATHEMATICS)
562.	FINITE DIFFERENCE METHODS PR	AM352	II YEAR III SEMESTER	MSC (APPLIED MATHEMATICS)
563.	COMPRESSIBLE FLOWS PR INTEGRAL TRANSFORMS PR DIFFERENTIAL GEOMETRY PR	AM353A AM353B AM353C	II YEAR III SEMESTER	MSC (APPLIED MATHEMATICS)
564.	NUMERICAL TECHNIQUES PR OPERATIONS RESEARCH PR DYNAMICAL SYSTEMS PR	AM354A AM354B AM354C	II YEAR III SEMESTER	MSC (APPLIED MATHEMATICS)
565.	ADVANCED COMPLEX ANALYSIS	AM401	II YEAR IV SEMESTER	MSC (APPLIED MATHEMATICS)
566.	FINITE ELEMENT METHODS	AM402	II YEAR IV SEMESTER	MSC (APPLIED MATHEMATICS)
567.	INTEGRAL EQUATIONS & CALCULUS OF VARIATIONS MHD BIO-MECHANICS	AM403	II YEAR IV SEMESTER	MSC (APPLIED MATHEMATICS)
568.	FUNCTIONAL ANALYSIS DISCRETE MATHEMATICS TOPOLOGY	AM404	II YEAR IV SEMESTER	MSC (APPLIED MATHEMATICS)



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569.	ADVANCED COMPLEX ANALYSIS PR	AM451	II YEAR IV SEMESTER	MSC (APPLIED MATHEMATICS)
570.	FINITE ELEMENT METHODS PR	AM452	II YEAR IV SEMESTER	MSC (APPLIED MATHEMATICS)
571.	INTEGRAL EQUATIONS & CALCULUS OF VARIATIONS PR MHD PR BIO-MECHANICS PR	AM453A AM453B AM453C	II YEAR IV SEMESTER	MSC (APPLIED MATHEMATICS)
572.	FUNCTIONAL ANALYSIS PR DISCRETE MATHEMATICS PR TOPOLOGY PR	AM454A AM454B AM454C	II YEAR IV SEMESTER	MSC (APPLIED MATHEMATICS)
573.	GENERAL MICROBIOLOGY-I	6115	I YEAR I SEMESTER	BSC (BTMBC)
574.	GENERAL MICROBIOLOGY-I PR	6115P	I YEAR I SEMESTER	BSC (BTMBC)
575.	EVS	AECC1	I YEAR I SEMESTER	BSC (BTMBC)
576.	GENERAL MICROBIOLOGY-II	6215	I YEAR II SEMESTER	BSC (BTMBC)
577.	GENERAL MICROBIOLOGY-II PR	6215P	I YEAR II SEMESTER	BSC (BTMBC)
578.	GEMDER SENSITIZATIO	AECC2	I YEAR II SEMESTER	BSC (BTMBC)
579.	MICROBIAL PHYSIOLOGY AND ENZYMOLGY	6315	II YEAR III SEMESTER	BSC (BTMBC)
580.	MICROBIAL PHYSIOLOGY & ENZYMOLGY PR	6315P	II YEAR III SEMESTER	BSC (BTMBC)
581.	HEAMOTOLOGY	A6315	II YEAR III SEMESTER	BSC (BTMBC)
582.	MICROBIAL GENETICS & MOLECULAR BIOLOGY	6415	II YEAR IV SEMESTER	BSC (BTMBC)
583.	MICROBIAL GENETICS & MOLECULAR BIOLOGY PR	6415P	II YEAR IV SEMESTER	BSC (BTMBC)



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584.	FOOD ADULTERATION	16415	II YEAR IV SEMESTER	BSC (BTMBC)
585.	APPLIED MICROBIOLOGY A APPLIED MICROBIOLOGY B	6515	III YEAR V SEMESTER	BSC (BTMBC)
586.	APPLIED MICROBIOLOGY A PR APPLIED MICROBIOLOGY B PR	6515P	III YEAR V SEMESTER	BSC (BTMBC)
587.	MUSHROOM CULTIVATION	A6515	III YEAR V SEMESTER	BSC (BTMBC)
588.	MEDICAL MICROBIOLOGY A IMMUNOLOGY B	6615	III YEAR VI SEMESTER	BSC (BTMBC)
589.	MEDICAL MICROBIOLOGY A PR IMMUNOLOGY B PR	6615P	III YEAR VI SEMESTER	BSC (BTMBC)
590.	HOSPITAL MANAGEMENT	16615	III YEAR VI SEMESTER	BSC (BTMBC)
591.	NUTRITIONAL BIOCHEMISTRY	101	I YEAR I SEMESTER	BSC (NZC)
592.	NUTRITION THROUGH THE LIFE CYCLE	201	I YEAR II SEMESTER	BSC (NZC)
593.	INTRODUCTION TO FOOD TECHNOLOGY	301	II YEAR III SEMESTER	BSC (NZC)
594.	FOOD TECHNOLOGY	401	II YEAR IV SEMESTER	BSC (NZC)
595.	THERAPEUTIC NUTRITION	501	III YEAR V SEMESTER	BSC (NZC)
596.	PUBLIC HEALTH/COMMUNITY NUTRITION AND HEALTH EDUCATION	502	III YEAR V SEMESTER	BSC (NZC)
597.	DIET THERAPY	601	III YEAR VI SEMESTER	BSC (NZC)



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598.	FOOD SAFETY AND QUALITY CONTROL/FOOD MICROBIOLOGY	602	III YEAR VI SEMESTER	BSC (NZC)
599.	NUTRITIONAL BIOCHEMISTRY PR	151	I YEAR I SEMESTER	BSC (NZC)
600.	NUTRITION THROUGH THE LIFE CYCLE PR	251	I YEAR II SEMESTER	BSC (NZC)
601.	INTRODUCTION TO FOOD TECHNOLOGY PR	351	II YEAR III SEMESTER	BSC (NZC)
602.	FOOD TECHNOLOGY PR	451	II YEAR IV SEMESTER	BSC (NZC)
603.	THERAPEUTIC NUTRITION PR	551	III YEAR V SEMESTER	BSC (NZC)
604.	PUBLIC HEALTH/COMMUNITY NUTRITION AND HEALTH EDUCATION PR	552	III YEAR V SEMESTER	BSC (NZC)
605.	DIET THERAPY PR	651	III YEAR VI SEMESTER	BSC (NZC)
606.	FOOD SAFETY AND QUALITY CONTROL/FOOD MICROBIOLOGY PR	652	III YEAR VI SEMESTER	BSC (NZC)
607.	HUMAN NUTRITION	ND101T	I YEAR I SEMESTER	MSC (NUTRITION)
608.	NUTRITIONAL BIOCHEMISTRY-I	ND102T	I YEAR I SEMESTER	MSC (NUTRITION)
609.	HUMAN PHYSIOLOGY	ND103T	I YEAR I SEMESTER	MSC (NUTRITION)
610.	PRINCIPLES OF DIETETICS	ND104T	I YEAR I SEMESTER	MSC (NUTRITION)
611.	HUMAN NUTRITION PR	ND105P	I YEAR I SEMESTER	MSC (NUTRITION)
612.	NUTRITIONAL BIOCHEMISTRY-I PR	ND106P	I YEAR I SEMESTER	MSC (NUTRITION)
613.	HUMAN PHYSIOLOGY PR	ND107P	I YEAR I SEMESTER	MSC (NUTRITION)



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614.	PRINCIPLES OF DIETETICS PR	ND108P	I YEAR I SEMESTER	MSC (NUTRITION)
615.	PRINCIPLES OF FOODS	ND201T	I YEAR II SEMESTER	MSC (NUTRITION)
616.	NUTRITIONAL BIOCHEMISTRY-II	ND202T	I YEAR II SEMESTER	MSC (NUTRITION)
617.	DIET IN DISEASE	ND203T	I YEAR II SEMESTER	MSC (NUTRITION)
618.	RESEARCH METHODOLOGY	ND204T	I YEAR II SEMESTER	MSC (NUTRITION)
619.	PRINCIPLES OF FOODS PR	ND205P	I YEAR II SEMESTER	MSC (NUTRITION)
620.	NUTRITIONAL BIOCHEMISTRY-II PR	ND206P	I YEAR II SEMESTER	MSC (NUTRITION)
621.	DIET IN DISEASE PR	ND207P	I YEAR II SEMESTER	MSC (NUTRITION)
622.	RESEARCH METHODOLOGY PR	ND208P	I YEAR II SEMESTER	MSC (NUTRITION)
623.	FOOD MICROBIOLOGY	ND301T	II YEAR III SEMESTER	MSC (NUTRITION)
624.	FOOD SAFETY AND QUALITY CONTROL	ND302T	II YEAR III SEMESTER	MSC (NUTRITION)
625.	PRODUCT DEVELOPMENT	ND303T	II YEAR III SEMESTER	MSC (NUTRITION)
626.	ADVANCED NUTRITION	ND304T	II YEAR III SEMESTER	MSC (NUTRITION)
627.	FOOD MICROBIOLOGY PR	ND305P	II YEAR III SEMESTER	MSC (NUTRITION)
628.	PRODUCT DEVELOPMENT PR	ND306P	II YEAR III SEMESTER	MSC (NUTRITION)
629.	SEMINAR	SEMINAR	II YEAR III SEMESTER	MSC (NUTRITION)
630.	CHOICE BASED PAPER I: PATIENT COUNSELLING AND COMPUTER APPLICATIONS CHOICE BASED PAPER II: NUTRITION IN INTENSIVE CARE	ND401T	II YEAR IV SEMESTER	MSC (NUTRITION)
631.	FOOD TECHNOLOGY	ND402T	II YEAR IV SEMESTER	MSC (NUTRITION)
632.	COMMUNITY NUTRITION	ND403T	II YEAR IV SEMESTER	MSC (NUTRITION)



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633.	FOOD SERVICE MANAGEMENT	ND404T	II YEAR IV SEMESTER	MSC (NUTRITION)
634.	INTERNSHIP	ND405P	II YEAR IV SEMESTER	MSC (NUTRITION)
635.	PROJECT	ND406P	II YEAR IV SEMESTER	MSC (NUTRITION)
636.	SEMINAR	SEMINAR	II YEAR IV SEMESTER	MSC (NUTRITION)
637.	MECHANICS	6118	I YEAR I SEMESTER	BSC (MPSC, MPC, MPE)
638.	MECHANICAL LAB	6118P	I YEAR I SEMESTER	BSC (MPSC, MPC, MPE)
639.	EVS	AECC1	I YEAR I SEMESTER	BSC (MPSC, MPC, MPE)
640.	WAVES AND OSCILLATION	6218	I YEAR II SEMESTER	BSC (MPSC, MPC, MPE)
641.	WAVES AND OSCILLATION LAB	6218P	I YEAR II SEMESTER	BSC (MPSC, MPC, MPE)
642.	GENDER SENSITIZATION	AECC2	I YEAR II SEMESTER	BSC (MPSC, MPC, MPE)
643.	THERMAL PHYSICS	6318	II YEAR III SEMESTER	BSC (MPSC, MPC, MPE)
644.	THERMAL PHYSICS LAB	6318P	II YEAR III SEMESTER	BSC (MPSC, MPC, MPE)
645.	SOLAR ENERGY AND IT'S COLLECTORS	A6318	II YEAR III SEMESTER	BSC (MPSC, MPC, MPE)
646.	OPTICS	6418	III YEAR IV SEMESTER	BSC (MPSC, MPC, MPE)
647.	OPTICS LAB	6418P	III YEAR IV SEMESTER	BSC (MPSC, MPC, MPE)
648.	STORAGE AND UTILIZATION OF SOLAR ENERGY	I6418	III YEAR IV SEMESTER	BSC (MPSC, MPC, MPE)
649.	ELECTRICITY, MAGNETISM AND ELECTRONICS	6518	III YEAR V SEMESTER	BSC (MPSC, MPC, MPE)
650.	ELECTRICITY LAB	6518P	III YEAR V SEMESTER	BSC (MPSC, MPC, MPE)
651.	SOLAR CHEMICAL ENERGY	A6518	III YEAR V SEMESTER	BSC (MPSC, MPC, MPE)
652.	MODERN PHYSICS	6618	III YEAR VI SEMESTER	BSC (MPSC, MPC, MPE)



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653.	MODERN PHYSICS AND ELECTRONICS LAB	6618P	III YEAR VI SEMESTER	BSC (MPSC, MPC, MPE)
654.	MECHANICAL AND GEOTHERMAL ENERGY	I6618	III YEAR VI SEMESTER	BSC (MPSC, MPC, MPE)
655.	MATHEMATICAL PHYSICS	P101	I YEAR I SEMESTER	MSC (PHYSICS)
656.	CLASSICAL MECHANICS	P102	I YEAR I SEMESTER	MSC (PHYSICS)
657.	QUANTUM MECHANICS – I	P103	I YEAR I SEMESTER	MSC (PHYSICS)
658.	SOLID STATE PHYSICS	P104	I YEAR I SEMESTER	MSC (PHYSICS)
659.	HEAT & ACOUSTICS	P105	I YEAR I SEMESTER	MSC (PHYSICS)
660.	OPTICS	P106	I YEAR I SEMESTER	MSC (PHYSICS)
661.	COMMUNICATIVE ENGLISH & SOFT SKILLS	P107	I YEAR I SEMESTER	MSC (PHYSICS)
662.	ELECTROMAGNETIC THEORY	P201	I YEAR II SEMESTER	MSC (PHYSICS)
663.	STATISTICAL MECHANICS	P202	I YEAR II SEMESTER	MSC (PHYSICS)
664.	QUANTUM MECHANICS – II	P203	I YEAR II SEMESTER	MSC (PHYSICS)
665.	ELECTRONICS	P204	I YEAR II SEMESTER	MSC (PHYSICS)
666.	ELECTRONICS	P205	I YEAR II SEMESTER	MSC (PHYSICS)
667.	COMPUTER PROGRAMMING	P206	I YEAR II SEMESTER	MSC (PHYSICS)
668.	BASICS OF COMPUTER SCIENCE	P207	I YEAR II SEMESTER	MSC (PHYSICS)
669.	MODERN OPTICS	P301	II YEAR III SEMESTER	MSC (PHYSICS)
670.	ADVANCED SOLID STATE PHYSICS	P302	II YEAR III SEMESTER	MSC (PHYSICS)
671.	DIGITAL LOGIC CIRCUITS	P303	II YEAR III SEMESTER	MSC (PHYSICS)
672.	MICROPROCESSORS, DSPS & INTERFACING	P304	II YEAR III SEMESTER	MSC (PHYSICS)
673.	ELECTRONIC INSTRUMENTATION	P305	II YEAR III SEMESTER	MSC (PHYSICS)



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674.	SPECTROSCOPY	P306	II YEAR III SEMESTER	MSC (PHYSICS)
675.	ANALOGY AND DIGITAL SIMULATION	P307	II YEAR III SEMESTER	MSC (PHYSICS)
676.	PRINCIPLES OF ELECTRICAL APPLIANCES	P308	II YEAR III SEMESTER	MSC (PHYSICS)
677.	NUCLEAR PHYSICS	P401	II YEAR IV SEMESTER	MSC (PHYSICS)
678.	SPECTROSCOPY	P402	II YEAR IV SEMESTER	MSC (PHYSICS)
679.	EMBEDDED SYSTEMS AND ITS APPLICATIONS	P403	II YEAR IV SEMESTER	MSC (PHYSICS)
680.	PC ARCHITECTURE	P404	II YEAR IV SEMESTER	MSC (PHYSICS)
681.	INSTRUMENTATION FOR MEASUREMENT, CONTROL, DATA ACQUISITION AND DATA TRANSMISSION	P405	II YEAR IV SEMESTER	MSC (PHYSICS)
682.	NUCLEAR PHYSICS	P406	II YEAR IV SEMESTER	MSC (PHYSICS)
683.	MICROPROCESSORS (8086) & MICROCONTROLLERS (8051)	P407	II YEAR IV SEMESTER	MSC (PHYSICS)
684.	SOLAR ENERGY UTILIZATION	P408	II YEAR IV SEMESTER	MSC (PHYSICS)
685.	POL. SCIENCE – CONCEPTS, THEORIES AND INSTITUTIONS	1119	I YEAR I SEMESTER	BA (EPP, HPML)
686.	EVS	AECC1	I YEAR I SEMESTER	BA (EPP, HPML)
687.	POLITICAL SCIENCE IDEOLOGIES	1119	I YEAR II SEMESTER	BA (EPP, HPML)
688.	GENDER SENSITIZATION	AECC2	I YEAR II SEMESTER	BA (EPP, HPML)
689.	INDIAN GOVERNMENT AND POLITICS	1219	II YEAR III SEMESTER	BA (EPP, HPML)
690.	EMANCIPATION OF WOMEN	11219	II YEAR III SEMESTER	BA (EPP, HPML)
691.	INDIAN GOVERNMENT AND	1319	II YEAR IV SEMESTER	BA (EPP, HPML)



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	POLITICS			
692.	CASTE SYSTEM IN INDIA	A1119	II YEAR IV SEMESTER	BA (EPP, HPML)
693.	ANCIENT INDIA POLITICAL THOUGHT	1419	III YEAR V SEMESTER	BA (EPP, HPML)
694.	INTERNATIONAL RELATIONS	11219	III YEAR V SEMESTER	BA (EPP, HPML)
695.	REFORM MOVEMENTS IN INDIA	1519	III YEAR V SEMESTER	BA (EPP, HPML)
696.	WESTERN POLITICAL THOUGHT	1519	III YEAR VI SEMESTER	BA (EPP, HPML)
697.	INTERNATIONAL RELATIONS	A1119	III YEAR VI SEMESTER	BA (EPP, HPML)
698.	WOMEN'S STUDIES- AN INTRODUCTION	1619	III YEAR VI SEMESTER	BA (EPP, HPML)
699.	INTRODUCTION TO PUBLIC ADMINISTRATION- I	1120	I YEAR I SEMESTER	BA (EPP)
700.	WOMEN STUDIES	A1120	I YEAR I SEMESTER	BA (EPP)
701.	INTRODUCTION TO PUBLIC ADMINISTRATION-II	1220	I YEAR II SEMESTER	BA (EPP)
702.	DISASTER MANAGEMENT	11220	I YEAR II SEMESTER	BA (EPP)
703.	PUBLIC ADMINISTRATION IN INDIA- I	1320	II YEAR III SEMESTER	BA (EPP)
704.	RURAL-URBAN ADMINISTRATION	A1320	II YEAR III SEMESTER	BA (EPP)
705.	PUBLIC ADMINISTRATION IN INDIA- II	1420	II YEAR IV SEMESTER	BA (EPP)
706.	PUBLIC RELATIONS	11420	II YEAR IV SEMESTER	BA (EPP)
707.	MANAGEMENT OF RESOURCES	1520	III YEAR V SEMESTER	BA (EPP)



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708.	OFFICE MANAGEMENT	1620	III YEAR V SEMESTER	BA (EPP)
709.	MANAGEMENT OF RESOURCES	1520	III YEAR VI SEMESTER	BA (EPP)
710.	OFFICE MANAGEMENT	1620	III YEAR VI SEMESTER	BA (EPP)
711.	TELUGU -I	SL0101	I YEAR I SEMESTER	BA, B.COM, BSC, BBA, BBM
712.	TELUGU -II	SL0201	I YEAR II SEMESTER	BA, B.COM, BSC, BBA, BBM
713.	TELUGU -III	SL0301	II YEAR III SEMESTER	BA, B.COM, BSC, BBA, BBM
714.	TELUGU -IV	SL0401	II YEAR IV SEMESTER	BA, B.COM, BSC, BBA, BBM
715.	URDU-I	SL0102	I YEAR I SEMESTER	BA, B.COM, BSC, BBA, BBM
716.	URDU-II	SL0202	I YEAR II SEMESTER	BA, B.COM, BSC, BBA, BBM
717.	URDU-III	SL0302	II YEAR III SEMESTER	BA, B.COM, BSC, BBA, BBM
718.	URDU-IV	SL0402	II YEAR IV SEMESTER	BA, B.COM, BSC, BBA, BBM
719.	ML URDU-I	1116	I YEAR I SEMESTER	BA (HPML)
720.	ML URDU-II	1216	I YEAR II SEMESTER	BA (HPML)
721.	ML URDU-III	1316	II YEAR III SEMESTER	BA (HPML)
722.	ML URDU-IV	1416	II YEAR IV SEMESTER	BA (HPML)
723.	ML URDU-V	1516	III YEAR V SEMESTER	BA (HPML)
724.	ML URDU-V	1516	III YEAR V SEMESTER	BA (HPML)
725.	ML URDU-VI	1616	III YEAR VI SEMESTER	BA (HPML)
726.	ML URDU-VI	1616	III YEAR VI SEMESTER	BA (HPML)
727.	ANIMAL DIVERSITY INVERTEBRATES	6121	I YEAR I SEMESTER	BSC (NZC, BZC)
728.	ANIMAL DIVERSITY INVERTEBRATES PR	6121P	I YEAR I SEMESTER	BSC (NZC, BZC)
729.	EVS	AECC1	I YEAR I SEMESTER	BSC (NZC, BZC)

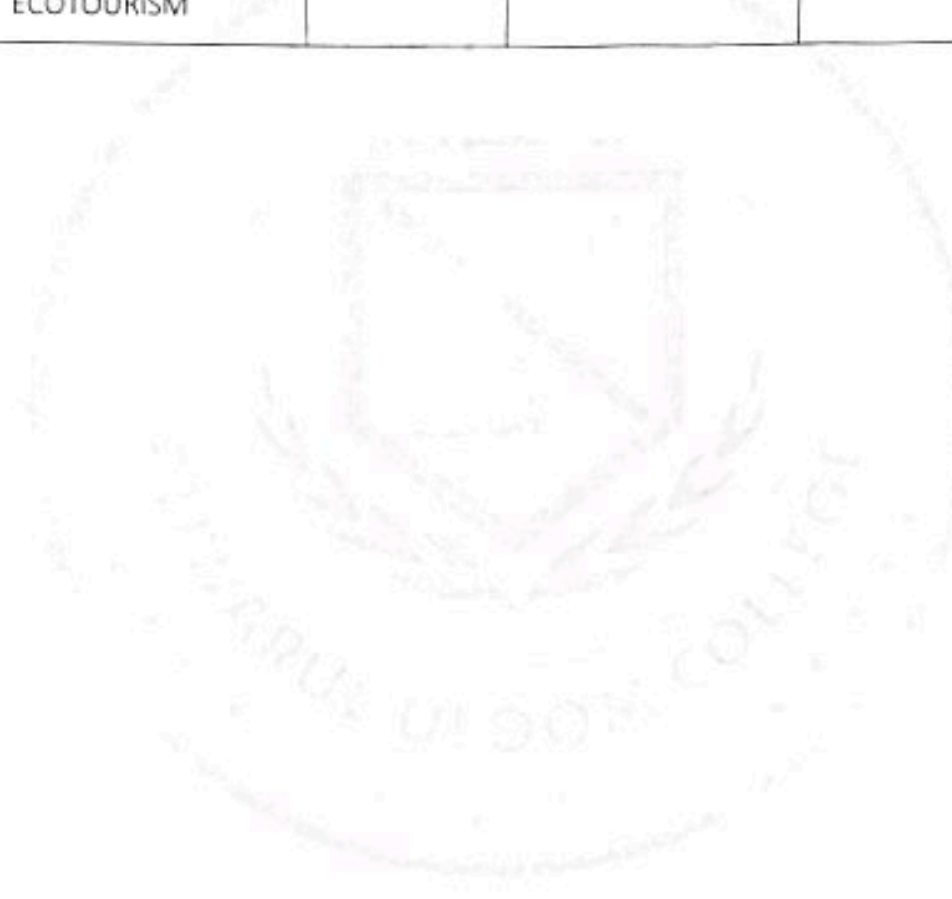


ANWARUL ULOOM COLLEGE (AUTONOMOUS)

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			SEMESTER	
744.	BIODIVERSITY CONSERVATION & ECOTOURISM	16621	III YEAR VI SEMESTER	BSC (NZC, BZC)




IQAC

COORDINATOR

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


PRINCIPAL

PRINCIPAL


Anwarul Uloom College (Autonomous)
New Malapally, Hyderabad-01.

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

Department of Arabic 2018 - 2019

Subject: Arabic semester I / II / III / IV

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


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


Prof. Dr. MEHJABEEN AKTHER
Chairperson-Board of Studies
Dept of ARABIC
Osmania University. Hyd.T.S.

ANWARUL ULOOM COLLEGE (AUTONOMOUS)
B.Sc. Biotechnology

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

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Dr. H. Sarojika Rani
M.Sc., Ph.D.
Asst. Professor
Department of Genetics & Biotechnology
Osmania University, Hyderabad-500 007.

ANWARUL ULOOM COLLEGE
(AUTONOMOUS)

M.Sc. BIOTECHNOLOGY SYLLABUS (2018 – 2019)

CHOICE BASED CREDIT SYSTEM (CBCS)

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

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

T- Theory, P-Practical

[Signature]
Dr. H. Surekha Rani
M.Sc., Ph.D. *[Signature]*
Asst. Professor
Department of Genetics & Biotechnology
Osmania University, Hyderabad-500 007.

**ANWARUL ULOOM COLLEGE
(AUTONOMOUS)
M.Sc. BIOTECHNOLOGY SYLLABUS (2018 – 2019)
CHOICE BASED CREDIT SYSTEM (CBCS)**

SEMESTER – III

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

SEMESTER – IV

S No	Syllabus Ref No	Subject	Credits	Teaching Hours	Marks		Total
					Internal Assessment	Semester Exam	
THEORY							
1.	BT 401 T	Bioprocess Engineering	4	4	20	80	100
2.	BT 402 T	Medical Biotechnology	4	4	20	80	100
3.	BT 403 T	Elective: A. Environmental Biotechnology B. Biopharmacology	4	4	20	80	100
4.	BT 404 T	Project Work	6				150
PRACTICALS							
1.	BT 451 P	Bioprocess Engineering	2	4		50	50
2.	BT 452 P	Medical Biotechnology	2	4		50	50
3.	BT 453 P	Elective: A. Environmental Biotechnology B. Biopharmacology	2	4		50	50
		Total	24	24	60	390	600
		Grandtotal					2400

T- Theory, P-Practical

Dr. H. S. Gurav
M.Sc. Ph.D.
Department of Genetics & Biotechnology
University, Hyderabad-500 007

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

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

Dr. J. S. S.
CHAIR PERSON
BOS IN Botany

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


Dr. J. S. S.
Professor & Head
Department of Botany
Osmania University
Hyderabad-500 007


Dr. J. S. S.

Dr. J. S. S.

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
<i>(35 + 15) marks</i>					
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
BOS₄ IN Botany


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


B. Chin Chandra

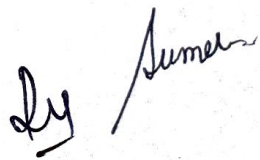

Professor & Head
Department of Botany
Osmania University
Hyderabad-500 007











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.

[Signature]
CHAIRMAN
B.O.S. IN BOTANY
O. U. HYD.

[Signature]
CHAIRMAN
B.O.S. IN BOTANY
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[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.

[Signature]
CHAIR PERSON
BOS₃ IN Botany

[Signature]
CHAIRMAN
B.O.S. IN BOTANY
O. U. HYD.

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Professor & Head
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[Signature]
B. Kishore

[Signature]

[Signature]

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

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CHAIR PERSON
BOS IN Botany
BOC Botany

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

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

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Semester-II

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

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 CHAIR PERSON
 B.O.S. in Botany

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

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 Professor
 Department of Botany
 Osmania University
 Hyderabad-500 007

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SEMESTER - III

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

**CHAIR PERSON
BOS. 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
			Th./ Pr.		Internal	External	Examination
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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B.O.S. IN BOTANY
O. U. HYD.

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

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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	AEECC1	Environmental Studies	AEECC-1	35	15	50	2Hrs	2
		Total						22

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

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

Surya

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

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

		Total						
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	AEC2	Gender Sensitization	AEC2	35	15	50	2Hrs	2
								22

SEMESTER-II

SECOND YEAR

SEMESTER III

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

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

D. H. Gokhale
 HEAD

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	CWV	NCC/NSS/Sports	EC-2	-	-	No Exam	Certificate	2
22	EVS	Environmental Science	FC-2	35	15	50	2Hrs	2
		Total						26

SEMESTER-IV

Faculty of Business Administration, AUC

B.B.A (CBCS)
 (w.e.f. 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 st AECC I Environmental Studies		2 Hrs	1
	II	Paper-II (Theory)	6209	4 Hrs	4
		Paper-II (Practicals)	6209 P	2 Hrs	1
		AECC-II Gender Sensitization		2 Hrs	2
II	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 SEC-II (changed by AUC)	Paper-IV (Theory)	6409	4 Hrs	4
		Paper-IV (Practicals) <i>soaps</i>	6409P	2 Hrs	1
		IDE: Industrial Chemistry	I6409	2 Hrs	1
	III SEC-III <i>materials & their appl.</i> GE-I <i>Pharmaceuticals</i>	Paper V (Theory)	6509	4 Hrs	4
		Paper - VA (Elective) <i>Inst. method of AUC</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			
IV SEC-IV <i>chemistry of minerals & food preservative</i> VI <i>AE-2</i> <i>Industrial chemistry</i>	Paper-VI (Theory)	6609	4 Hrs	4	
	Paper - VIA (Elective) <i>Medic chem</i>	6609A	4 Hrs	4	
	Paper- VIB (Elective) <i>Agri & fuel chem</i>	6609B	4 Hrs	4	
	Paper - VI-P1 (Practicals)	I 6609VI-	2 Hrs	1	

Paper VI P-2 (Practicals)	P1	2 Hrs	1
III - Fuel Chemistry	6609VI-	2 Hrs	1
	P2		
	16609		

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Ch. Sachin



ANWARUL ULOOM COLLEGE (AUTONOMOUS)

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

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

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

lha
Head of the Department

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Ch. Sarala Devi



ANWARUL ULOOM COLLEGE (AUTONOMOUS)

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

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

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

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Head of the Department

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Ch. Sarada Devi

ANWARUL ULOOM COLLEGE (AUTONOMOUS)

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

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

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

Department

Head of the

ANWARUL ULOOM COLLEGE (AUTONOMOUS)

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

Department of Chemistry Paper Titles & Marks Details

(Course Structure & Scheme of Examination

S No.	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam
						Max	Min			

M.Sc. II – Year, IV – Semester (CBCS)

Theory										
1	I	541	Drug design and drug discovery	4 Hrs	20	80	32	100	4	3 hrs
2	II	542	Drug Synthesis and Mechanism of Action	4 Hrs	20	80	32	100	4	3 Hrs
3	III	543	Advance Heterocyclic Chemistry	4 Hrs	20	80	32	100	4	3 Hrs
4	IV	544	Advance Natural Products	4 Hrs	20	80	32	100	4	3 Hrs
5		545	IDE : Food Micro – Biology	2 hrs	10	50	20	50	2	2 Hrs
			Seminar	2 Hrs	-	25	-	25	1	2 Hrs
			Practicals							
6		546 P	Spectroscopic identification of Organic Compounds and Practice of Chemistry Software Programmes	6 Hrs	-	100	50	100	4	3 Hrs
7		547 P	Project work	3 weeks	-	100	50	100	4	3 Hrs
8			Total					625	25	

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

FIRST YEAR:

SEMESTER-I:

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

SEMESTER-II:

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

SECOND YEAR:

SEMESTER-III

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

SEMESTER-IV:

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

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BOARD OF STUDIES IN COMMERCE
PUNJAB RUIL ULOOM COLLEGE
AFFILIATED TO OSMAIA UNIVERSITY
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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	5Hrs	5
32	BC504	Business Law	DSC-2E	35	15	50	4Hrs	4
33	BC505	Banking Theory & Practice	DSC-3E	35	15	50	4Hrs	4
34	BC506	Auditing	DSC-4E	35	15	50	4Hrs	4
35	BC507	Computerized Accounting	DSE-1A	35	15 P*	50	3T+2P*	4
36	BC508	Accounting Standards	DSE-2A	35	15	50	5Hrs	5
		Total					30	30
SEMESTER-VI:								
37	BC601	Regulation of Insurance Business	SEC-4	35	15	50	2Hrs	2
38	BC602	Sectors of Indian Economy	GE-2	35	15	50	2Hrs	2
39	BC603	Theory and Practice of GST	DSC-1F	35	15	50	4Hrs	4
40	BC604	Company Law	DSC-2F	35	15	50	4Hrs	4
41	BC605	Managerial Accounting	DSC-3F	35	15	50	4Hrs	4
42	BC606	Commerce Lab	DSC-4F	35Record	15Viva	50	2T+4P*	4
43	BC607	Financial Institutions & Markets	DSE-1B	35	15	50	5Hrs	5
44	BC608	Advanced Corporate Accounting	DSE-2B	35	15	50	5Hrs	5
		Total					30	30
		Grand Total					180	180


HOD
BOARD OF STUDIES IN COMMERCE
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SRUCTURE 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	1A	Total	THPW	Credits
1	BC101	Environmental Studies	AECC-1	35	15	50	2Hrs	2
2	BC102	English	CC-1A	35	15	50	5 Hrs	5
3	BC103	Second Language	CC-2A	35	15	50	5 Hrs	5
4	BC104	Financial Accounting- I	DSC-1A	35	15	50	5 Hrs	5
5	BC105	Business Economics	DSC-2A	35	15	50	5 Hrs	5
6	BC106	Business Organization	DSC-3A	35	15	50	4 Hrs	4
7	BC107	Information Technology	DSC-4A	35	15P*	50	3T+2P*	4
		Total					30	30
SEMESTER-II:								
8	BC201	Gender 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
		Total					30	30
SECOND YEAR:								
SEMESTER-III								
15	BC301	Principles of Insurance	SEC-1	35	15	50	2Hrs	2
16	BC302	English	CC-1C	35	15	50	5 Hrs	5
17	BC303	Second Language	CC-2C	35	15	50	5 Hrs	5
18	BC304	Advanced Accounting	DSC-1C	35	15	50	5 Hrs	5
19	BC305	Income Tax-I	DSC-2C	35	15	50	5 Hrs	5
20	BC306	Business Statistics-I	DSC-3C	35	15	50	4 Hrs	4
21	BC307	Programming with C	DSE-2A	35	15P*	50	3T+2P*	4
		Total					30	30
SEMESTER-IV:								
22	BC401	Practice of Life Insurance	SEC-2	35	15	50	2Hrs	2
23	BC402	English	CC-1D	35	15	50	5 Hrs	5
24	BC403	Second Language	CC-2D	35	15	50	5 Hrs	5
25	BC404	Corporate Accounting	DSC-1D	35	15	50	5 Hrs	5
26	BC405	Income Tax-II	DSC-2D	35	15	50	5 Hrs	5
27	BC406	Business Statistics-II	DSC-3D	35	15	50	4 Hrs	4
28	BC407	Objective Oriented Programming with C++	DSE-2A	35	15P*	50	3T+2P*	4
		Total					30	30

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

Vijay Kumar

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(w.e.f. 2018-19)**

Faculty of Commerce, AUC

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

Vijay Kumar

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

Vijay Prasad
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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	Fundamentals of Electronic Communication	DSE-1A	35	15	50	4T+2P*	5
36	BC508	E-Commerce & Functional Business Systems	DSE-2A	35	15	50	4T+2P*	5
		Total					30	30
SEMESTER-VI:								
37	BC601	Regulation of Insurance Business	SEC-4	35	15	50	2 Hrs	2
38	BC602	Sectors of Indian Economy	GE-2	35	15	50	2 Hrs	2
39	BC603	Theory and Practice off GST	DSC-1F	35	15	50	4 Hrs	4
40	BC604	Company Law	DSC-2F	35	15	50	4 Hrs	4
41	BC605	Managerial Accounting	DSC-3F	35	15	50	4 Hrs	4
42	BC606	Commerce Lab	DSC-4F	35Record	15V	50	2T+4P*	4
43	BC607	E-Commerce Applications	DSE-1B	35	15	50	4T+2P*	5
44	BC608	DataBase Management System & System Analysis & Design	DSE-2B	35	15	50	4T+2P*	5
		Total					30	30
		Grand Total					180	180

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ANWARUL ULOOM COLLEGE
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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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(1)	(2)		(4)	(5)	(6)	(7)	(8)	(9)	(10)
6.	Com 6 : Core – I	Business Environment & Policy	5	4	3 Hrs	15	5	80	100
7.	Com 7 : Core – II	Marketing Management	5	4	3 Hrs	15	5	80	100
8.	Com 8: Core –II I	Human Resource Management	5	4	3 Hrs	15	5	80	100
9.	Com 9 : Elective-I	Specialization **	5	5	3 Hrs	15	5	80	100
10.	Com 10: 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**

THIRD 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)

11.	Com 11 : Core – I	Research Methodology & Statistical Analysis	5	4	3 Hrs	15	5	80	100
12.	Com 12 : Core – II	E-Commerce	5 (4T+2P)	4	3 Hrs	15	35 IA LPE	50	100
13.	Com 13: Core –II I	Cost Accounting and Control	5	4	3 Hrs	15	5	80	100
14.	Com 14 : Elective-I	Specialization **	5	5	3 Hrs	15	5	80	100
15.	Com 15: Elective-II	Specialization **	5	5	3 Hrs	15	5	80	100
16.	ID Paper	Business Organization & Management	4	4	3 Hrs	15	5	80	100
	SEMINAR		2	1	-	-	-	25*	25
			31	27		90	60	475	625

FOURTH SEMESTER:

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

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

25=15W+10PR

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

ANWAR UL ULOOM COLLEGE

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

DEPARTMENT OF COMPUTER SCIENCE

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

EFFECTIVE FROM THE ACADEMIC YEAR 2015-16 ON WARDS

AS PER THE CHOICE BASED CREDIT SYSTEM (CBCS)

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

CHAIRMAN

Board of Studies in Computer Science



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. Sc. (CSE) Ist Year, I – Semester (CBCS) W.E.F. 2018-19										
Theory										
1	I	0106	English	4 Hrs	15	35	14	50	4	2 Hrs
2	II	7141	Mathematics - I	4 Hrs	15	35	14	50	4	2 Hrs
3	III	7142	Electrical Circuits & Machines	4 Hrs	15	35	14	50	4	2 Hrs
4	IV	7143	Introduction to Information Technology	4 Hrs	15	35	14	50	4	2 Hrs
5	V	7144	Programming in C	4 Hrs	15	35	14	50	4	2 Hrs
6	VI	A7145	AECC-I: Environmental Studies	2 Hrs	-	50	20	50	2	2 Hrs
Practicals										
7	VII	7142P	E C M Lab	2 Hrs	—	25	13	25	1	2 Hrs
8	VIII	7143P	I I T Lab	2 Hrs	—	25	13	25	1	2 Hrs
9	IX	7144P	C Lab	2 Hrs	—	25	13	25	1	2 Hrs
Total				28 Hrs				375	25	
B. Sc. (CSE) Ist Year, II – Semester (CBCS) W.E.F. 2018-19										
Theory										
1	I	0206	English	4 Hrs	15	35	14	50	4	2 Hrs
2	II	7246	Mathematics - II	4 Hrs	15	35	14	50	4	2 Hrs
3	III	7247	Physics	4 Hrs	15	35	14	50	4	2 Hrs
4	IV	7248	Electronic Devices & Circuits	4 Hrs	15	35	14	50	4	2 Hrs
5	V	7249	Programming in Unix	4 Hrs	15	35	14	50	4	2 Hrs
6	VI	i7250	AECC-II : Gender Sensitization	2 Hrs	-	50	20	50	2	2 Hrs
Practicals										
7	VII	7247P	Physics Lab	2 Hrs	—	25	13	25	1	2 Hrs
8	VIII	7248P	E D C Lab	2 Hrs	—	25	13	25	1	2 Hrs
9	IX	7249P	Unix Lab	2 Hrs	—	25	13	25	1	2 Hrs
Total				30 Hrs				375	25	

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ANWARUL ULOOM COLLEGE (AUTONOMOUS)

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New Mallepally, Hyderabad – 500 001, T.S., India.
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Department of Comp. Sci. & Engineering Paper Titles & Marks Details (Course Structure & Scheme of Examinations)

S. No.	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
						Max.	Min.			
B. Sc. (CSE) 2nd Year, III - Semester (CBCS) W.E.F. 2016-17										
Theory										
1	I	0306	English	4 Hrs	15	35	14	50	4	2 Hrs
2	II	7351	Mathematics - III	4 Hrs	15	35	14	50	4	2 Hrs
3	III	7352	Digital Logical Design	4 Hrs	15	35	14	50	4	2 Hrs
4	IV	7353	Operating Systems	4 Hrs	15	35	14	50	4	2 Hrs
5	V	7354	OOPS through C++	4 Hrs	15	35	14	50	4	2 Hrs
6	VI	A7355	Add - On Course: M-Commerce	2 Hrs	15	35	14	50	1	2 Hrs
Practicals										
7	VII	7352P	D.L.D Lab	2 Hrs	—	25	13	25	1	2 Hrs
8	VIII	7353P	O. S Lab.	2 Hrs	—	25	13	25	1	2 Hrs
9	IX	7354P	C++ Lab	2 Hrs	—	25	13	25	1	2 Hrs
Total				28 Hrs				375	24	
B. Sc. (CSE) 2nd Year, IV - Semester (CBCS) W.E.F. 2016-17										
1	I	0406	English	4 Hrs	15	35	14	50	4	2 Hrs
2	II	7456	Probability & Statistics	4 Hrs	15	35	14	50	4	2 Hrs
3	III	7457	Data Structures	4 Hrs	15	35	14	50	4	2 Hrs
4	IV	7458	Microprocessor 8086 & Interfacing	4 Hrs	15	35	14	50	4	2 Hrs
5	V	7459	Java Programming	4 Hrs	15	35	14	50	4	2 Hrs
6	VI	17460	I D E: Basics of Programming	2 Hrs	15	35	14	50	1	2 Hrs
Practicals										
7	VII	7457P	Data Structure Lab	2 Hrs	—	25	13	25	1	2 Hrs
8	VIII	7458P	M P 8086 & Interfacing Lab.	2 Hrs	—	25	13	25	1	2 Hrs
9	IX	7459P	Java Programming Lab	2 Hrs	—	25	13	25	1	2 Hrs
Total				30 Hrs				375	24	

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ANWARUL ULOOM COLLEGE (AUTONOMOUS)

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

S. No.	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
						Max.	Min.			
B. Sc. (CSE) 3rd Year, V – Semester (CBCS) W.E.F. 2017-18										
Theory										
1	I	7561	Computer Network	6 Hrs	30	70	28	100	6	3 Hrs
2	II	7562	Compiler Construction	6 Hrs	30	70	28	100	6	3 Hrs
3	III	7563	Embedded Systems	6 Hrs	30	70	28	100	6	3 Hrs
4	IV	7564	Modern Database Management System	6 Hrs	30	70	28	100	6	3 Hrs
5	V	A7565	Add-On: Software Engineering	2 Hrs	15	35	14	50	1	2 Hrs
Practicals										
6	VI	7563P	Embedded System Lab	2 Hrs		50	25	50	2	3 Hrs
7	VII	7564P	DBMS-Lab	2 Hrs		50	25	50	2	3 Hrs
			Total	30 Hrs				550	29	
B. Sc. (CSE) 3rd Year, VI – Semester (CBCS) W.E.F. 2017-18										
1	I	7666	Network Security	6 Hrs	30	70	28	100	6	3 Hrs
2	II	7667	Web programming	6 Hrs	30	70	28	100	6	3 Hrs
3	III	7668	Client Sever Programming	6 Hrs	30	70	28	100	6	3 Hrs
4	IV	i7670	IDE: Basic Web Designing	2 Hrs	15	35	14	50	1	2 Hrs
Practicals										
5	V	7667P	Web Programming - Lab	2 Hrs	-	50	25	50	2	3 Hrs
6	VI	7668P	C S P though Java Lab	2 Hrs	-	50	25	50	2	3 Hrs
7	VII	7670P	Project & Seminar	6 Hrs		100	50	100	6	3 Hrs
								600	29	

Head of the Department

B.A. (ECONOMICS) IST YEAR

SEMESTER – Ist & IInd

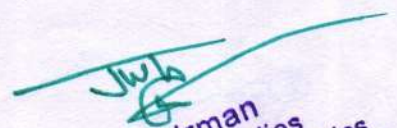
(2018-19)

COURSE STRUCTURE

CHOICE BASED CREDIT SYSTEM PATTERN

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


Head
Department of Economics
Osmania University, Hyd-7.


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

B.A. (ECONOMICS) IIInd year

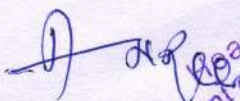
SEMESTER – IIIrd & IVth

(2018-19)

COURSE STRUCTURE

CHOICE BASED CREDIT SYSTEM PATTERN

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


Head
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Osmania University, Hyd-7.


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

B.A. (ECONOMICS) IIIrd year

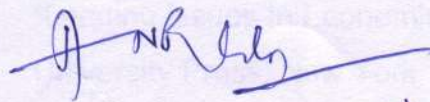
SEMESTER – Vth & VIth

(2018-19)

COURSE STRUCTURE

CHOICE BASED CREDIT SYSTEM PATTERN

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



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(Affiliated to Osmania University,.)
Department Of Economics
M.A.(Economics) Course Structure
(Choice Based Credit System)
(2018– 2019)

MASTER STRUCTURE

SEMESTER – I

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

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COURSE STRUCTURE

SEMESTER – II

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

Notation:IA-Internal Assessment

Note :

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


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M.A.(Economics) Course Structure
(Choice Based Credit System)


(2018– 2019)

MASTER STRUCTURE

SEMESTER – III

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


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SEMESTER – IV

Paper Code	Name Of The Paper	Scheme Of Instructions (Hours Per Week)	Credits	Scheme Of Examination		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
	TOTAL	25	25	100	400	500
	IDE Course					
406	Indian Economy And Development	30 Hrs .Per Paper	2		50	50

Notation:

IA-Internal Assessment ; SEM- Semester

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

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

NIB

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

J. R. S.
Head
Department of Economics
Osmania University, Hyd-7.

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	I6412	2 hrs	1
3rd Year	V	Paper –V A-Digital Electronics	6512	4 hrs	4
		Paper –VA(DE-LAB)	6512P	2 hrs	1
		Paper –VB- Microprocessor 8085	6513	4 hrs	4
		Paper –VB(MP-LAB) Add-on (SEC)	6513P	2 hrs	1
		PIC & ATMEL			
		Microcontrollers	A6512	2 hrs	1

[Signature]
Professor
Physics Department
University College Of Sciences
Osmania University, Hyd-7.

[Signature]
Head of the Dept. of Electronics.
Anwar-ul-uloom College, Mallapally
Hyderabad.

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

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

Zhar Ali
 Head of the Dept of Electronics.
 Anwar-ul-uloom College, Malleshpally
 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
0306	Paper I: Poetry, Prose, Grammar, Language Work	5 hrs	5	15	35	50
A0306	<u>Introduction to English Grammar II</u> (Speaking Skills Reading Skills Writing Skills Listening Skills)	2 Hrs	1	15	35	50

Semester IV

0406	Paper II: Poetry, Prose, Grammar, Language Work	5 hrs	5	15	35	50
0406	Advance Business Communication Skills	2 hrs	1	15	35	50

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M.A Previous (CBCS) Semester I/II

(Course Structure & Scheme of Examinations)

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

Tutorials: 2hours per week- No Credits

Notes:

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

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M.A Final (CBCS) Semester III/IV

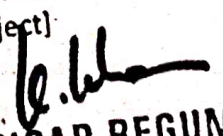
(Course Structure & Scheme of Examinations)

No	Paper No.	Code No.	Title	Hours / Week	Internals Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
						Max.	Min.			
M. A. English 2nd Year, III – Semester (CBCS)										
1	I	301	English Language Teaching: Classroom Techniques and Practical English	5 Hrs	20	80	32	100	5	3 Hrs
2	II	302	American Literature—I	5 Hrs	20	80	32	100	5	3 Hrs
3	III	303	Indian Writing in English—I	5 Hrs	20	80	32	100	5	3 Hrs
4	IV	304	Postcolonial Literatures	5 Hrs	20	80	32	100	5	3 Hrs
5	V	305	Literature and Film	5 Hrs	20	80	32	100	5	3 Hrs
			Total	25 Hrs				500	25	
M. A. English 2nd Year, IV – Semester (CBCS)										
1	I	401	English Language Teaching :History, Approaches and Methods	5 Hrs	20	80	32	100	5	3 Hrs
2	II	402	English Prose	5 Hrs	20	80	32	100	5	3 Hrs
3	III	403	English Fiction	5 Hrs	20	80	32	100	5	3 Hrs
4	IV	404	Women's writing	5 Hrs	20	80	32	100	5	3 Hrs
5	V	405	Twentieth Century Literary Criticism and Theory	5 Hrs	20	80	32	100	5	3 Hrs
			Total	25Hrs				500	25	

Tutorials: 2hours per week- No Credits

Notes:

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


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

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New Mallepally, Hyderabad – 500 001, T. S., India.
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Faculty of Social Sciences

Department of History

**B. A. (History, Political Science & Modern Language – Urdu)
(2018 – 19)**

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

(Approved Syllabus for the Academic Year 2018 – 19)

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

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Dept. of History
Anwarul-uloom College
New Mallepally, Hyderabad

J. Sandhu
LECTURER
Chairman, Board of Studies
Department of History
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. 2nd Year
(2018 – 19)

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

(Approved Syllabus for the Academic Year 2018 – 19)

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

Board of Studies
 Dept. of History
 Anwarul-uloom College
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(Affiliated to Osmania University)



Faculty of Social Sciences

Department of History

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

B. A. 3rd Year
(2018 – 19)

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

(Approved Syllabus for the Academic Year 2018 – 19)

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

K. S. S.
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Board of Studies
Dept. of History
Anwarul-uloom College
New Mallepally, Hyderabad

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

J. Sandhya Ipsith
LECTURER
Govt. College for Women
Begumpet, Hyderabad.



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

(Course Structure & Scheme of Examinations)

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

[Signature]
Head of the Department

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

[Signature]
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Board of Studies
Dept. of History
Anwarul-uloom College
New Mallepally, Hyderabad

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

[Signature]
LECTURER
Govt. College for Women
Begumpet, Hyderabad.

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(Affiliated to Osmania University)

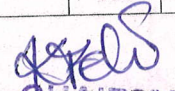


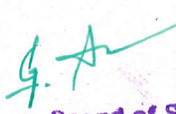
Department of History Paper Titles & Marks Details (2018 - 19)

(Course Structure & Scheme of Examinations)

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

Total Credits: 100 & Total Marks: 2,000


 Head of the Department
 Board of Studies
 Dept. of History
 Anwarul-uloom College
 New Mallepally, Hyderabad
 LECTURER
 Govt. College for Women
 Begumpet, Hyderabad.


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

2018-2019

(53)

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

Person
in Mathematics
University
Hyderabad-500 007.

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

Semester -I

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

(8)

(20)

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

Semester -II

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

Chairperson
 M.Sc in Math
 Department of M
 Osmania Unive
 Hyderabad-500

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Department of MATHEMATICS, ~~U~~ AUC

Proposed Choice Based Credit System (CBCS)

M.Sc Applied Mathematics 2017-18

Semester -III

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

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Department of MATHEMATICS, ~~CEET~~ 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	....	....	100	4 OR
6. Practicals	AM 452	Practical	Finite Element Methods	4	....	50	150	6
	AM 453 (A)	Practical	Integral Equations & Calculus of variations	4	....	50	50	2
	AM 453 (C)		MHD	4	....	50	50	2
7. Practicals	AM 454 (A)	Practical	Functional Analysis	4	....	50	50	2
	AM 454 (B)		Discrete Mathematics					
8. Practicals	AM 454 (C)	Practical	Topology	4	50	50	2
9. Seminar			Total :	32	50	50	2
			Seminar	2	80	520	600	24
					25	1

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

Semester	Course/paper	Code No	Teaching Hours/week	No of credits
I	Paper-I(Theory) General microbiology-I	6115	4hrs	4
	paper-I(prac.) AECC-I	6115p	2hrs	1
	Enviromental studies	A6115	2hrs	2
II	Paper II(theory) General Microbiology-II	6215	4hrs	4
	Paper-II(prac.) AECC-II	6215p	2hrs	1
	Gendersensitization	A6215	2hrs	2
III	Paper III(Theory) Microbial physiology & Enzymology	6315	4hrs	4
	paper-III(prac.)	6315p	2hrs	1
	Add-on Heamatology	A6315	2hrs	2
IV	paper-IV(Theory) microbial genetics & molecular biology	6415	4hrs	4
	paper- IV (prac.) IDE	6415p	2hrs	1
	Food adulteration	I6415	2hrs	2
V	Paper-VA(Theory) Applied Microbiology-A	6515A	4hrs	4
	Paper-VA (Prac.)	6515A(Prac.)	2hrs	1
	Paper-VB (Theory) Applied Microbiology-B	6515B	4hrs	4
	Paper-VB (Prac.)	6515B(Prac.)	2hrs	1
	Add-on MushroomCultivation	A6515	2hrs	2
VI	Paper-VI A(Theory) Medical microbiology-A	6615A	4hrs	4
	Paper-VIA (Prac.)	6615A(Prac.)	2hrs	1
	Paper-VIB(Theory) Immunology-B	6615B	4hrs	4
	Paper-VIB (Prac.)	6615B(Prac.)	2hrs	1
	IDE HospitalManagement	I6615	2hrs	2

Handwritten signatures:
 K. Bharathu bai
 Shail

Official stamp and signature:
 Dr. A. B. ...
 Associate Professor
 Department of Microbiology, U.C.E.
 OSMANIA UNIVERSITY, HYD-7
 [Signature]

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

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

FIRST YEAR - SEMESTER I			
Code	Course Title	Course Type	Credits
NZC 101	Environmental Studies	AECC 1	2
NZC 102	English	CC-1A	5
NZC 103	Second Language	CC-2A	5
NZC 104	Nutritional Biochemistry	DSC - 1A	4+1=5
NZC 105	Optional II	DSC - 2A	4+1=5
NZC 106	Optional III	DSC - 3A	4+1=5
	TOTAL		27
SEMESTER II			
NZC 201	Gender Sensitization	AECC 2	2
NZC 202	English	CC-1B	5
NZC 203	Second Language	CC-2B	5
NZC 204	Nutrition Through Life Cycle	DSC -1B	4+1=5
NZC 205	Optional II	DSC -2B	4+1=5
NZC 206	Optional III	DSC -3B	4+1=5
	TOTAL		27
SECOND YEAR- SEMESTER III			
NZC 301	Food Preservation	SEC -1	2
NZC 302	English	CC-1C	5
NZC 303	Second Language	CC-2C	5
NZC 304	Introduction to Food Technology	DSC- 1C	4+1=5
NZC 305	Optional II	DSC- 2C	4+1=5
NZC 306	Optional III	DSC- 3C	4+1=5
	TOTAL		27
SEMESTER IV			
NZC 401	Food Safety	SEC - 2	2
NZC 402	English	CC-1D	5
NZC 403	Second Language	CC-2D	5
NZC 404	Food Science	DSC- 1D	4+1=5
NZC 405	Optional II	DSC- 2D	4+1=5
NZC 406	Optional III	DSC- 3D	4+1=5
	TOTAL		27
THIRD YEAR- SEMESTER V			
NZC 501	Patient Counseling Skills	SEC-3	2
NZC 502	Diet Therapy - I	DSC-1E	3+1=4
NZC 503	Optional II	DSC-2E	3+1=4
NZC 504	Optional III	DSC-3E	3+1=4
NZC 505	A- Public Health B- Community Nutrition	DSE-1E	3+1=4
NZC 506	Optional II A/B/C	DSE-2E	3+1=4
NZC 507	Optional III A/B/C	DSE-3E	3+1=4
	TOTAL		26

19-5-18
Chairman
Board of Studies in Nutrition
Osmania University,
Hyderabad-500 007.

Arulashah
P. ASHWINI
M.Sc. in D.
Nutrition
DEPT. OF FOOD & NUTRITION
O.U.C.W., K. J. Somaiya
Hyderabad

V. Anitha
Principal Scientist
PESTICIDE RESIDUES LABORATORY
(A/NP on Pesticide Residues)
PJT's Agricultural University
Rajendranagar, Hyderabad-500 030

Munish
Dr. M. SREENIVAS
Head, Dept of Nutrition,
Anwarul Uloom College,
K. J. Somaiya
Hyderabad

SEMESTER VI			
NZC 601	Fundamentals of Foods and Nutrition	GE-1	2
NZC 602	Diet Therapy - II	DSC-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 B- 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

AECC- Ability Enhancement Compulsory Course

DSC- Discipline Specific Core

SEC- Skill Enhancement Course

DSE- Discipline Specific Elective

GE- Generic Elective

HPW – Hours per week

SUMMARY OF CREDITS FOR B. Sc. PROGRAM

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

Mena K

Head of the Dept.
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Mediapuram, Hyderabad-500 007.

MA 19.5.18

Chairman
Board of Studies in Nutrition
Osmania University,
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A. Usha
D. P. ...
Former Head & Asst. Prof. (C)
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Zoya Nureen
ZOYA NUREEN
Head, Dept of Nutrition,
Anwarul Uloom College,
Mallepally, Hyderabad.

DEPARTMENT OF NUTRITION AND DIETETICS

THEORY								
2018 - 2021								
Year	Semester	Paper	Sub code	Title of paper	Cre - dits	Instruction Hrs / wk	Duration of exam	Max marks
I	I	I	104	Nutritional Biochemistry	4	4	2	50
	II	II	204	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	505	A) Public Health	3	3	2	50
				B) Community Nutrition				
	VI	VII	602	Diet Therapy - II	3	3	2	50
		VIII	605	A) Food Preservation	3	3	2	50
				B) Maternal & Child Nutrition				
TOTAL CREDITS					28			

PRACTICALS

Year	Semester	Paper	Title of paper	Credits	Instruction Hrs / wk	Duration of exam	Max marks
I	I	I	Nutritional Biochemistry	1	2	2	25
	II	II	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	A) Public Health	1	2	2	25
			B) Community Nutrition				
	VI	VII	Diet Therapy - II	1	2	2	25
		VIII	A) Food Preservation	1	2	2	25
			B) Maternal & Child Nutrition				
TOTAL CREDITS				8			
Total Practical Marks							200
Total of Theory and Practical							400 + 200 = 600

Note: Theory Total 50 marks (35 marks for final semester end exam and 15 marks for Average of 2 Internal Assessments)

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DR. P. ASHEESHA,
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 O.U.C.W., Kutt. H.Y.2

Annex Scientist & Head
 PESTICIDE RESIDUES LABORATORY
 (AINP on Pesticide Residues)
 PJTS Agricultural University
 Rajendranagar, Hyderabad-500 030

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

COURSE OUTLINE AND SCHEME OF EXAMINATION

FIRST SEMESTER

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

SECOND SEMESTER

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

19.5.18
Hyderabad-500 007.
Osmania University,
Board of Studies in Nutrition
Chairman

Dr. P. ASHLESHA,
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Meena K
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ZOHRA GREEN
Head, Dept of Nutrition
Anwarul Uloom College
Mallepally, Hyderabad

THIRD SEMESTER

Paper No.	Title	Instructi ons Hrs/ Week	Duration of Examination	Credits	Maximum Marks
Theory					
ND 301 T (CORE)	Community Nutrition	4	3	4	100 (80+20)
ND 302 T (CORE)	Food Microbiology	4	3	4	100 (80+20)
ND 303 T (ELECTIVE POOL)	i) Food Service Management	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	Instructi ons Hrs/ Week	Duration of Examinati on	Credits	Maximum Marks
Theory					
ND 401 T (CORE)	Advanced Nutrition	4	3	4	100 (80+20)
ND 402 T (CORE)	Paediatric Nutrition	4	3	4	100 (80+20)
ND 403 T (ELECTIVE)	i) Nutraceuticals and Functional foods	4	3	4	100 (80+20)

MR 19.5.18
Chairman
Board of Studies in Nutrition
Osmania University,
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Meena K
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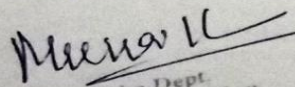
Ashlesha P
Dr. P. ASHLESHA,
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DEPT. OF FOOD & NUTRITION
O.U C.W.. Koti, HYD.

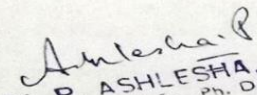
V. Anitha
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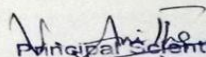
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Head, Dept of Nutrition
Anwarul Uloom College,
Mallepally, Hyderabad

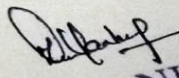
POOL)	ii) Geriatric Nutrition iii) Clinical Nutrition and Immunology				
ND 404 T (ELECTIVE POOL)	i) Diet and Psychology Counselling skills ii) Nutrition for Fitness and Sports iii) Maternal and Child Nutrition	4	3	4	100 (80+20)
Practical					
ND 405 P	Hospital Internship in Nutrition and Dietetics	4	2	2	50
ND 406 P	Internship-case studies presentation	4	2	2	50
ND 407 P	Project Work – Collection of Data	4	2	2	50
ND 408 P	Project Work- Report Writing and Presentation of Project Seminar	4	2	2	50
	Total Marks	32		24	600
Grand Total Marks of all the Four Semesters = 600+600+600+600=2400					Theory + Practical

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Head of the Dept.
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ZOYA NUREEN
Head, Dept of Nutrition,
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Mehemmal, Hyderabad

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

Malkangli, Hyderabad-509 001

Note: AECC, Add-on and IDE Credits will not be counted for final result.**DEPARTMENT OF PHYSICS, ANWARUL ULOOM COLLEGE**

ANWARUL ULOOM COLLEGE , MALLEPALLY , HYDERABAD.

M.Sc., Physics I YEAR

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

Scheme of Instruction and Examination

Semester – I



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

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

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

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

The student has to answer all the questions.

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

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

ANWARUL ULOOM COLLEGE , MALLEPALLY , HYDERABAD.

M.Sc., Physics I YEAR

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

Scheme of Instruction and Examination

Semester – II



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

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

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

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

The student has to answer all the questions.

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

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

ANWARUL ULOOM COLLEGE, MALLEPALLY, HYDERABAD.

M.Sc., Physics II YEAR

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

Scheme of Instruction and Examination

Semester – III



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

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

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

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

The student has to answer all the questions.

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

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

DEPARTMENT OF PHYSICS, ANWARUL ULOOM COLLEGE

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

ANWARUL ULOOM COLLEGE, MALLEPALLY, HYDERABAD.

M.Sc., Physics II YEAR

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

Scheme of Instruction and Examination



Semester – IV

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

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

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

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

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

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

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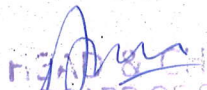
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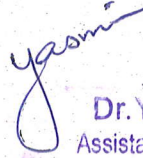


Faculty of Social Sciences
B.A (History Political Science and Modern Languages Urdu (HPML)
Subject : Political Science (2018-19)

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

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


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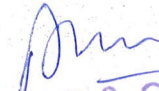

Dr. YASMIN
Assistant Professor
Department of Political Science
Osmania University, Hyderabad.

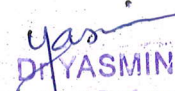


Faculty of Social Sciences
B.A (History Political Science and Modern Languages Urdu (HPML)
Subject : Political Science (2018-19)

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

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


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

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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 VB

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

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

SEMESTER VI A

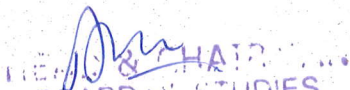
VI A	Pol. Science western Political Thoughts	5 Hrs	5	15	35
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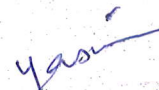
SEMESTER VI B

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

	Women Studies An Introduction	2 Hrs	1	15	35
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 DR. YASMIN
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 Osmania University, Hyderabad.

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(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.
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Semester – I

Introduction to Public Administration-I	5 Hours	5	15	35
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Skill Enhancement Course Add-On Paper for Semester- I


Women's Studies	2 Hours	1	15	35
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Semester – II

Introduction to Public Administration-II	5 Hours	5	15	35
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General Elective Course IDE Paper for Semester- II

Disaster Management	2 Hours	1	15	35
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Osmania University, Hyd-7.

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New Mallepally, Hyderabad – 500 001, Telangana, India

Faculty of Social Sciences
Department of Public Administration
2018-2019

Course Structure

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

Scheme of Examination

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

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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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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

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Shahid

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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
I – Semester					
	Mutalaya Adab (Part – I) (Ghazals: I – IV) (Poems: I – IV) (Prose: I – IV)	4	4	15	35
	AECC – I Paper: Environmental Studies	2	2	0	50
II – Semester					
	Mutalaya Adab (Part – I) (Ghazals: I – IV) (Poems: I – III) (Prose: I – III)	4	4	15	35
	AECC – II Paper: Gender Sensitization	2	2	0	50

[Signature]
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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

Mulla
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Department of Urdu
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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
III – Semester					
	Mutalaya Adab (Part – II) (Poetry: I – IV) (Poems: I – IV) (Prose: I – IV)	4	3	15	35
	Add – on Paper: Urdu Sahafat	2	1	15	35
IV – Semester					
	Mutalaya Adab (Part – II) (Poetry: I – IV) (Poems: I – III) (Prose: I – III)	4	3	15	35
	I D E Paper: Tahseen – e – Shair	2	1	15	35

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Faculty of Arts Department of Urdu

(2018 – 19)

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

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

M. Akbar
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Department of Urdu
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Faculty of Science

Department of Zoology

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

Course Structure in Part – II (2018 – 19)

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

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

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

AECC – Ability Enhancement Compulsory Course

Head of the Department

**Dept. of Zoology
A.U. College, Hyd.**