



# 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 2023-24

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.	DNA TECHNOLOGY	6508	III YEAR V SEMESTER	BSC, (BTMBC, BTBC)
14.	DNA TECHNOLOGY - PR	6508-P	III YEAR V SEMESTER	BSC, (BTMBC, BTBC)
15.	APPLIED BIOTECHNOLOGY	6608	III YEAR VI SEMESTER	BSC, (BTMBC, BTBC)
16.	APPLIED BIOTECHNOLOGY	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)



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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)
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)





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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)
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)



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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.	MUSHROOM CULTIVATION	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.	LANDSCAPE DESIGNING	I6207	I YEAR II SEMESTER	BSC (BZC, BTBC)
55.	TAXONOMY OF ANGIOSERMS 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)





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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)
68.	BRYOPHYTE & PTERIDOPHYTA	MBOT.O.C.T.1. 102	I YEAR I SEMESTER	MSC (BOTANY)
69.	TAXONOMY OF ANGIOSERMS AND MEDICINAL BOTANY	MBOT.O.C.T.1. 103	I YEAR I SEMESTER	MSC (BOTANY)
70.	PLANT BIOCHEMISTRY	MBOT.O.C.T.1. 104	I YEAR I SEMESTER	MSC (BOTANY)



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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)
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)





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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)
96.	PRACTICAL LAB – II	MBOT.OC.P.1. 306	II YEAR IV SEMESTER	MSC (BOTANY)
97.	PRACTICAL LAB – III	MBOT.OC.P.1. 307	II YEAR IV SEMESTER	MSC (BOTANY)
98.	PRACTICAL LAB - IV	MBOT.OC.P.1. 308	II YEAR IV SEMESTER	MSC (BOTANY)



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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
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





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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
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



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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.	RETAIL MANAGEMENT	A105	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.	ELEMENTS OF COMMERCE	IDE205	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)
154.	ENTREPRENEURIAL DEVELOPMENT & BUSINESS ETHICS	BCC304	II YEAR III SEMESTER	B.COM (GENERAL)
155.	INSURANCE BUSINESS	A305	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)





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159.	AUDITING	BCO404	II YEAR IV SEMESTER	B.COM (GENERAL)
160.	TOURISM MARKETING	IDE405	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	BCO503	III YEAR V SEMESTER	B.COM (GENERAL)
166.	COMPUTERIZED ACCOUNTING	BCO504	III YEAR V SEMESTER	B.COM (GENERAL)
167.	FINANCIAL MANAGEMENT	BCO505	III YEAR V SEMESTER	B.COM (GENERAL)
168.	PRINCIPLES OF MARKETING	BCO506	III YEAR V SEMESTER	B.COM (GENERAL)
169.	E BANKING	BCO507	III YEAR V SEMESTER	B.COM (GENERAL)
170.	MANAGERIAL ACCOUNTING	BCO601	III YEAR VI SEMESTER	B.COM (GENERAL)
171.	COMPANY LAW	BCO602	III YEAR VI SEMESTER	B.COM (GENERAL)
172.	FINANCIAL INSTITUTIONS & MARKETS	BCO603	III YEAR VI SEMESTER	B.COM (GENERAL)
173.	COMMERCE LAB	BCO604	III YEAR VI SEMESTER	B.COM (GENERAL)
174.	HUMAN RESOURCES MANAGEMENT	BCC605	III YEAR VI SEMESTER	B.COM (GENERAL)
175.	TAX PLANNING & MANAGEMENT	BCC606	III YEAR VI SEMESTER	B.COM (GENERAL)
176.	EVENT MANAGEMENT	IDE607	III YEAR VI SEMESTER	B.COM (GENERAL)
177.	NCC/NS/SPORTS	CVW608	III YEAR VI SEMESTER	B.COM (GENERAL)
178.	SCIENCE & CIVILIZATION	S&C609	III YEAR VI SEMESTER	B.COM (GENERAL)
179.	FINANCIAL ACCOUNTING - I	BCO101	I YEAR I SEMESTER	B.COM (COMPUTERS APPLICATIONS)



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180.	BUSINESS ECONOMICS	BCO102	I YEAR I SEMESTER	B.COM (COMPUTERS APPLICATIONS)
181.	BUSINESS ORGANIZATION	BCO103	I YEAR I SEMESTER	B.COM (COMPUTERS APPLICATIONS)
182.	INFORMATION TECHNOLOGY	BCO104	I YEAR I SEMESTER	B.COM (COMPUTERS APPLICATIONS)
183.	RETAIL MANAGEMENT	A105	I YEAR I SEMESTER	B.COM (COMPUTERS APPLICATIONS)
184.	FINANCIAL ACCOUNTING – II	BCO201	I YEAR II SEMESTER	B.COM (COMPUTERS APPLICATIONS)
185.	MANAGERIAL ECONOMICS	BCO202	I YEAR II SEMESTER	B.COM (COMPUTERS APPLICATIONS)
186.	PRINCIPLES OF MANAGEMENT	BCO203	I YEAR II SEMESTER	B.COM (COMPUTERS APPLICATIONS)
187.	FOREIGN TRADE	BCO204	I YEAR II SEMESTER	B.COM (COMPUTERS APPLICATIONS)
188.	ELEMENTS OF COMMERCE	IDE205	I YEAR II SEMESTER	B.COM (COMPUTERS APPLICATIONS)
189.	NCC/NSS/SPORTS	CVW206	I YEAR II SEMESTER	B.COM (COMPUTERS APPLICATIONS)
190.	HUMAN VALUES & PROFESSIONAL ETHICS	HVPE207	I YEAR II SEMESTER	B.COM (COMPUTERS APPLICATIONS)
191.	ADVANCED ACCOUNTING	BCO301	II YEAR III SEMESTER	B.COM (COMPUTERS APPLICATIONS)
192.	BUSINESS STATISTICS – I	BCO302	II YEAR III SEMESTER	B.COM (COMPUTERS APPLICATIONS)
193.	INCOME TAX – I	BCO303	II YEAR III SEMESTER	B.COM (COMPUTERS APPLICATIONS)





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194.	PROGRAMMING WITH C	BCO304	II YEAR III SEMESTER	B.COM (COMPUTERS APPLICATIONS)
195.	INSURANCE BUSINESS	A305	II YEAR III SEMESTER	B.COM (COMPUTERS APPLICATIONS)
196.	CORPORATE ACCOUNTING	BCO401	II YEAR IV SEMESTER	B.COM (COMPUTERS APPLICATIONS)
197.	BUSINESS STATISTICS – II	BCO402	II YEAR IV SEMESTER	B.COM (COMPUTERS APPLICATIONS)
198.	INCOME TAX – II	BCO403	II YEAR IV SEMESTER	B.COM (COMPUTERS APPLICATIONS)
199.	AUDITING	BCO404	II YEAR IV SEMESTER	B.COM (COMPUTERS APPLICATIONS)
200.	TOURISM MARKETING	IDE405	II YEAR IV SEMESTER	B.COM (COMPUTERS APPLICATIONS)
201.	NCC/NSS/SPORTS	CVW406	II YEAR IV SEMESTER	B.COM (COMPUTERS APPLICATIONS)
202.	ENVIRONMENT SCIENCE	ES407	II YEAR IV SEMESTER	B.COM (COMPUTERS APPLICATIONS)
203.	COST ACCOUNTING	BCO501	III YEAR V SEMESTER	B.COM (COMPUTERS APPLICATIONS)
204.	BUSINESS LAW	BCO502	III YEAR V SEMESTER	B.COM (COMPUTERS APPLICATIONS)
205.	BANKING THEORY & PRACTICE	BCO503	III YEAR V SEMESTER	B.COM (COMPUTERS APPLICATIONS)
206.	COMPUTERIZED ACCOUNTING	BCO504	III YEAR V SEMESTER	B.COM (COMPUTERS APPLICATIONS)
207.	E-COMMERCE	BCC/E505	III YEAR V SEMESTER	B.COM (COMPUTERS APPLICATIONS)



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208.	OBJECTIVE ORIENTED PROGRAMMING	BCC506	III YEAR V SEMESTER	B.COM (COMPUTERS APPLICATIONS)
209.	E BANKING	BCO507	III YEAR V SEMESTER	B.COM (COMPUTERS APPLICATIONS)
210.	MANAGERIAL ACCOUNTING	BCO601	III YEAR VI SEMESTER	B.COM (COMPUTERS APPLICATIONS)
211.	COMPANY LAW	BCO602	III YEAR VI SEMESTER	B.COM (COMPUTERS APPLICATIONS)
212.	FINANCIAL INSTITUTIONS & MARKETS	BCO603	III YEAR VI SEMESTER	B.COM (COMPUTERS APPLICATIONS)
213.	COMMERCE LAB	BCO604	III YEAR VI SEMESTER	B.COM (COMPUTERS APPLICATIONS)
214.	WEB TECHNOLOGIES	BCC605	III YEAR VI SEMESTER	B.COM (COMPUTERS APPLICATIONS)
215.	RELATIONAL DATABASE MANAGEMENT	BCC606	III YEAR VI SEMESTER	B.COM (COMPUTERS APPLICATIONS)
216.	EVENT MANAGEMENT	IDE607	III YEAR VI SEMESTER	B.COM (COMPUTERS APPLICATIONS)
217.	NCC/NSS/SPORTS	CVW608	III YEAR VI SEMESTER	B.COM (COMPUTERS APPLICATIONS)
218.	SCIENCE & CIVILIZATION	S&C609	III YEAR VI SEMESTER	B.COM (COMPUTERS APPLICATIONS)
219.	FINANCIAL ACCOUNTING - I	BCO101	I YEAR I SEMESTER	B.COM (E-COMMERCE)
220.	BUSINESS ECONOMICS	BCO102	I YEAR I SEMESTER	B.COM (E-COMMERCE)
221.	BUSINESS ORGANIZATION	BCO103	I YEAR I SEMESTER	B.COM (E-COMMERCE)
222.	INFORMATION TECHNOLOGY	BCO104	I YEAR I SEMESTER	B.COM (E-COMMERCE)
223.	RETAIL MANAGEMENT	A105	I YEAR I SEMESTER	B.COM (E-COMMERCE)
224.	FINANCIAL ACCOUNTING – II	BCO201	I YEAR II SEMESTER	B.COM (E-COMMERCE)





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225.	MANAGERIAL ECONOMICS	BCO202	I YEAR II SEMESTER	B.COM (E-COMMERCE)
226.	PRINCIPLES OF MANAGEMENT	BCO203	I YEAR II SEMESTER	B.COM (E-COMMERCE)
227.	FOREIGN TRADE	BCO204	I YEAR II SEMESTER	B.COM (E-COMMERCE)
228.	ELEMENTS OF COMMERCE	IDE205	I YEAR II SEMESTER	B.COM (E-COMMERCE)
229.	NCC/NSS/SPORTS	CVW206	I YEAR II SEMESTER	B.COM (E-COMMERCE)
230.	HUMAN VALUES & PROFESSIONAL ETHICS	HVPE207	I YEAR II SEMESTER	B.COM (E-COMMERCE)
231.	ADVANCED ACCOUNTING	BCO301	II YEAR III SEMESTER	B.COM (E-COMMERCE)
232.	BUSINESS STATISTICS – I	BCO302	II YEAR III SEMESTER	B.COM (E-COMMERCE)
233.	INCOME TAX - I	BCO303	II YEAR III SEMESTER	B.COM (E-COMMERCE)
234.	WEB TECHNOLOGIES	BCO304	II YEAR III SEMESTER	B.COM (E-COMMERCE)
235.	INSURANCE BUSINESS	A305	II YEAR III SEMESTER	B.COM (E-COMMERCE)
236.	CORPORATE ACCOUNTING	BCO401	II YEAR IV SEMESTER	B.COM (E-COMMERCE)
237.	BUSINESS STATISTICS – II	BCO402	II YEAR IV SEMESTER	B.COM (E-COMMERCE)
238.	INCOME TAX – II	BCO403	II YEAR IV SEMESTER	B.COM (E-COMMERCE)
239.	AUDITING	BCO404	II YEAR IV SEMESTER	B.COM (E-COMMERCE)
240.	TOURISM MARKETING	IDE405	II YEAR IV SEMESTER	B.COM (E-COMMERCE)
241.	NCC/NSS/SPORTS	CVW406	II YEAR IV SEMESTER	B.COM (E-COMMERCE)
242.	ENVIRONMENT SCIENCE	ES407	II YEAR IV SEMESTER	B.COM (E-COMMERCE)
243.	COST ACCOUNTING	BCO501	III YEAR V SEMESTER	B.COM (E-COMMERCE)
244.	BUSINESS LAW	BCO502	III YEAR V SEMESTER	B.COM (E-COMMERCE)
245.	BANKING THEORY & PRACTICE	BCO503	III YEAR V SEMESTER	B.COM (E-COMMERCE)
246.	COMPUTERIZED ACCOUNTING	BCO504	III YEAR V SEMESTER	B.COM (E-COMMERCE)
247.	E-COMMERCE	BCC/E505	III YEAR V SEMESTER	B.COM (E-COMMERCE)



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248.	PRINCIPLE OF MARKETING	BCC506	III YEAR V SEMESTER	B.COM (E-COMMERCE)
249.	E BANKING	BCO507	III YEAR V SEMESTER	B.COM (E-COMMERCE)
250.	MANAGERIAL ACCOUNTING	BCO601	III YEAR VI SEMESTER	B.COM (E-COMMERCE)
251.	COMPANY LAW	BCO602	III YEAR VI SEMESTER	B.COM (E-COMMERCE)
252.	FINANCIAL INSTITUTIONS & MARKETS	BCO603	III YEAR VI SEMESTER	B.COM (E-COMMERCE)
253.	COMMERCE LAB	BCO604	III YEAR VI SEMESTER	B.COM (E-COMMERCE)
254.	SUPPLY CHAIN MANAGEMENT LOGISTICS	BCC605	III YEAR VI SEMESTER	B.COM (E-COMMERCE)
255.	RETAIL MARKETING	BCC606	III YEAR VI SEMESTER	B.COM (E-COMMERCE)
256.	EVENT MANAGEMENT	IDE607	III YEAR VI SEMESTER	B.COM (E-COMMERCE)
257.	NCC/NSS/SPORTS	CVW608	III YEAR VI SEMESTER	B.COM (E-COMMERCE)
258.	SCIENCE & CIVILIZATION	S&C609	III YEAR VI SEMESTER	B.COM (E-COMMERCE)
259.	FINANCIAL ACCOUNTING - I	BCO101	I YEAR I SEMESTER	B.COM (HONOURS)
260.	BUSINESS ECONOMICS	BCO102	I YEAR I SEMESTER	B.COM (HONOURS)
261.	BUSINESS ORGANIZATION	BCO103	I YEAR I SEMESTER	B.COM (HONOURS)
262.	INFORMATION TECHNOLOGY	BCO104	I YEAR I SEMESTER	B.COM (HONOURS)
263.	PRINCIPAL OF MARKETING	BCH105	I YEAR I SEMESTER	B.COM (HONOURS)
264.	FINANCIAL ACCOUNTING – II	BCO201	I YEAR II SEMESTER	B.COM (HONOURS)
265.	MANAGERIAL ECONOMICS	BCO202	I YEAR II SEMESTER	B.COM (HONOURS)
266.	PRINCIPLES OF MANAGEMENT	BCO203	I YEAR II SEMESTER	B.COM (HONOURS)
267.	FOREIGN TRADE	BCO204	I YEAR II SEMESTER	B.COM (HONOURS)
268.	RELATIONAL DATABASE MANAGEMENT SYSTEMS	BCH205	I YEAR II SEMESTER	B.COM (HONOURS)
269.	ADVANCED ACCOUNTING	BCO301	II YEAR III SEMESTER	B.COM (HONOURS)
270.	BUSINESS STATISTICS – I	BCO302	II YEAR III SEMESTER	B.COM (HONOURS)





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271.	INCOME TAX – I	BCO303	II YEAR III SEMESTER	B.COM (HONOURS)
272.	ENTREPRENEURIAL DEVELOPMENT & BUSINESS ETHICS	BCO304	II YEAR III SEMESTER	B.COM (HONOURS)
273.	MARKETING MANAGEMENT	BCO305	II YEAR III SEMESTER	B.COM (HONOURS)
274.	HUMAN RESOURCES MANAGEMENT	BCO306	II YEAR III SEMESTER	B.COM (HONOURS)
275.	FINANCIAL STATEMENT ANALYSIS	BCH307	II YEAR III SEMESTER	B.COM (HONOURS)
276.	CORPORATE ACCOUNTING	BCO401	II YEAR IV SEMESTER	B.COM (HONOURS)
277.	BUSINESS STATISTICS – II	BCO402	II YEAR IV SEMESTER	B.COM (HONOURS)
278.	INCOME TAX – II	BCO403	II YEAR IV SEMESTER	B.COM (HONOURS)
279.	AUDITING	BCO404	II YEAR IV SEMESTER	B.COM (HONOURS)
280.	BUSINESS MATHEMATICS	BCH405	II YEAR IV SEMESTER	B.COM (HONOURS)
281.	E COMMERCE & DIGITAL MARKETING	BCH406	II YEAR IV SEMESTER	B.COM (HONOURS)
282.	MANAGEMENT INFORMATION SYSTEM	BCH407	II YEAR IV SEMESTER	B.COM (HONOURS)
283.	COST ACCOUNTING	BCO501	III YEAR V SEMESTER	B.COM (HONOURS)
284.	BUSINESS LAW	BCO502	III YEAR V SEMESTER	B.COM (HONOURS)
285.	BANKING THEORY & PRACTICE	BCO503	III YEAR V SEMESTER	B.COM (HONOURS)
286.	COMPUTERIZED ACCOUNTING	BCO504	III YEAR V SEMESTER	B.COM (HONOURS)
287.	FINANCIAL MANAGEMENT	BCA/H505	III YEAR V SEMESTER	B.COM (HONOURS)
288.	FINANCIAL SERVICES	BCF/H506	III YEAR V SEMESTER	B.COM (HONOURS)
289.	RESEARCH METHODOLOGY	BCH507	III YEAR V SEMESTER	B.COM (HONOURS)



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290.	MANAGERIAL ACCOUNTING	BCO601	III YEAR VI SEMESTER	B.COM (HONOURS)
291.	COMPANY LAW	BCO602	III YEAR VI SEMESTER	B.COM (HONOURS)
292.	FINANCIAL INSTITUTION & MARKETS	BCO603	III YEAR VI SEMESTER	B.COM (HONOURS)
293.	COMMERCE LAB	BCO604	III YEAR VI SEMESTER	B.COM (HONOURS)
294.	INVESTMENT MANAGEMENT	BCF/H605	III YEAR VI SEMESTER	B.COM (HONOURS)
295.	INTERNATIONAL FINANCE	BCF/H606	III YEAR VI SEMESTER	B.COM (HONOURS)
296.	PROJECT REPORT	BCH607	III YEAR VI SEMESTER	B.COM (HONOURS)
297.	MANAGERIAL ECONOMICS	COM1: CORE-I	I YEAR II SEMESTER	M.COM
298.	PRINCIPAL OF MARKETING	COM2: CORE-2	I YEAR II SEMESTER	M.COM
299.	OT & OB	COM3: CORE-2I	I YEAR II SEMESTER	M.COM
300.	FINANCIAL MANAGEMENT	COM4: ELECTIVE-I	I YEAR II SEMESTER	M.COM
301.	ACCOUNTING STANDARDS	COM5: ELECTIVE-2	I YEAR II SEMESTER	M.COM
302.	BUSINESS ENVIRONMENT & POLICY	COM6: CORE-I	I YEAR II SEMESTER	M.COM
303.	MARKETING MANAGEMENT	COM7: CORE-2	I YEAR II SEMESTER	M.COM
304.	HUMAN RESOURCES MANAGEMENT	COM8: CORE-2I	I YEAR II SEMESTER	M.COM
305.	INVESTMENT MANAGEMENT	COM9: ELECTIVE-I	I YEAR II SEMESTER	M.COM
306.	ADVANCED MANAGERIAL ACCOUNTING	COM10: ELECTIVE-2	I YEAR II SEMESTER	M.COM





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307.	RESEARCH METHODOLOGY & STATICALLY ANALYSIS	COM11: CORE-1	II YEAR III SEMESTER	M.COM
308.	E- COMMERCE	COM12: CORE-2	II YEAR III SEMESTER	M.COM
309.	COST ACCOUNTING & CONTROL	COM13: CORE-2I	II YEAR III SEMESTER	M.COM
310.	INTERNATIONAL FINANCIAL MANAGEMENT	COM14: ELECTIVE-1	II YEAR III SEMESTER	M.COM
311.	SECURITY ANALYSIS & PORTFOLIO MANAGEMENT	COM15: ELECTIVE-2	II YEAR III SEMESTER	M.COM
312.	BUSINESS ORGANISATION & MANAGEMENT	ID PAPER	II YEAR III SEMESTER	M.COM
313.	-	SEMINAR	II YEAR III SEMESTER	M.COM
314.	QUANTITATIVE TECHNIQUES FOR BUSINESS DECISIONS	COM16: CORE-1	II YEAR IV SEMESTER	M.COM
315.	BUSINESS & COOPERATIVE TAXATION	COM17: CORE-2	II YEAR IV SEMESTER	M.COM
316.	STRATEGIC MANAGEMENT	COM18: CORE-2I	II YEAR IV SEMESTER	M.COM
317.	FINANCIAL SERVICE	COM19: ELECTIVE-1	II YEAR IV SEMESTER	M.COM
318.	FINANCIAL DERIVATION	COM3L20: ELECTIVE-2	II YEAR IV SEMESTER	M.COM
319.	PROJECT WORK	COM21	II YEAR IV SEMESTER	M.COM
320.	-	SEMINAR	II YEAR IV SEMESTER	M.COM
321.	CHEMISTRY-I	6109	I YEAR I SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
322.	CHEMISTRY-I PR	6109P	I YEAR I SEMESTER	BSC (NZC, BZC, BTBC,



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				BTMBC, MPC)
323.	FUEL CHEMISTRY	A6109	I YEAR I SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
324.	CHEMISTRY-II	6209	I YEAR II SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
325.	CHEMISTRY-II PR	6209P	I YEAR II SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
326.	WATER TECHNOLOGY	16209	I YEAR II SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
327.	CHEMISTRY-III	6309	II YEAR III SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
328.	CHEMISTRY-III PR	6309P	II YEAR III SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
329.	SOAPS AND DETERGENTS	A6309	II YEAR III SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
330.	CHEMISTRY-IV	6409	II YEAR IV SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
331.	CHEMISTRY-IV PR	6409P	II YEAR IV SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
332.	INDUSTRIAL CHEMISTRY	16409	II YEAR IV SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
333.	CHEMISTRY-V	6509	III YEAR V SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
334.	CHEMISTRY-V PR	6509P	III YEAR V SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
335.	CHEMISTRY-VI	6609	III YEAR VI SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
336.	CHEMISTRY-VI PR	6609P	III YEAR VI	BSC (NZC, BZC, BTBC,





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			SEMESTER	BTMBC, MPC)
337.	INORGANIC CHEMISTRY	511	I YEAR I SEMESTER	MSC (CHEMISTRY)
338.	ORGANIC CHEMISTRY	512	I YEAR I SEMESTER	MSC (CHEMISTRY)
339.	PHYSICAL CHEMISTRY	513	I YEAR I SEMESTER	MSC (CHEMISTRY)
340.	ANALYTICAL TECHNIQUES AND SPECTROSCOPY-1	514	I YEAR I SEMESTER	MSC (CHEMISTRY)
341.	COMMUNICATIVE ENGLISH SOFT SKILLS	116	I YEAR I SEMESTER	MSC (CHEMISTRY)
342.	INORGANIC CHEMISTRY PR	515P	I YEAR I SEMESTER	MSC (CHEMISTRY)
343.	ORGANIC CHEMISTRY PR	516P	I YEAR I SEMESTER	MSC (CHEMISTRY)
344.	PHYSICAL CHEMISTRY PR	517P	I YEAR I SEMESTER	MSC (CHEMISTRY)
345.	INORGANIC CHEMISTRY	521	I YEAR II SEMESTER	MSC (CHEMISTRY)
346.	ORGANIC CHEMISTRY	522	I YEAR II SEMESTER	MSC (CHEMISTRY)
347.	PHYSICAL CHEMISTRY	523	I YEAR II SEMESTER	MSC (CHEMISTRY)
348.	ANALYTICAL TECHNIQUES AND SPECTROSCOPY- II	524	I YEAR II SEMESTER	MSC (CHEMISTRY)
349.	HUMAN VALUES AND PROFESSIONAL ETHICS	126	I YEAR II SEMESTER	MSC (CHEMISTRY)
350.	INORGANIC CHEMISTRY PR	525P	I YEAR II SEMESTER	MSC (CHEMISTRY)
351.	ORGANIC CHEMISTRY PR	526P	I YEAR II SEMESTER	MSC (CHEMISTRY)
352.	PHYSICAL CHEMISTRY PR	527P	I YEAR II SEMESTER	MSC (CHEMISTRY)
353.	SYNTHETIC REAGENTS, ADVANCED NMR, CONFORMATIONAL ANALYSIS AND ORD	531	II YEAR III SEMESTER	MSC (CHEMISTRY)
354.	MODERN ORGANIC	532	II YEAR III SEMESTER	MSC (CHEMISTRY)



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	SYNTHESIS			
355.	BIO ORGANIC CHEMISTRY	533	II YEAR III SEMESTER	MSC (CHEMISTRY)
356.	GREEN CHEMISTRY AND ORGANIC MATERIALS	534	II YEAR III SEMESTER	MSC (CHEMISTRY)
357.	BIO-TECHNOLOGY AND HEALTH CARE	535	II YEAR III SEMESTER	MSC (CHEMISTRY)
358.	SEMINAR	SEMINAR	II YEAR III SEMESTER	MSC (CHEMISTRY)
359.	SYNTHESIS OF ORGANIC MOLECULES, ISOLATION OF NATURAL PRODUCTS AND TLC PR	536P	II YEAR III SEMESTER	MSC (CHEMISTRY)
360.	SEPARATION AND IDENTIFICATION OF ORGANIC COMPOUNDS AND COLUMN CHROMATOGRAPHY PR	537P	II YEAR III SEMESTER	MSC (CHEMISTRY)
361.	DRUG DESIGN AND DRUG DISCOVERY	541	II YEAR IV SEMESTER	MSC (CHEMISTRY)
362.	DRUG SYNTHESIS AND MECHANISM OF ACTION	542	II YEAR IV SEMESTER	MSC (CHEMISTRY)
363.	ADVANCED HETEROCYCLIC CHEMISTRY	543	II YEAR IV SEMESTER	MSC (CHEMISTRY)
364.	ADVANCED NATURAL PRODUCTS	544	II YEAR IV SEMESTER	MSC (CHEMISTRY)
365.	FOOD MICROBIOLOGY	545	II YEAR IV SEMESTER	MSC (CHEMISTRY)
366.	SEMINAR	SEMINAR	II YEAR IV SEMESTER	MSC (CHEMISTRY)
367.	SPECTROSCOPIC IDENTIFICATION OF ORGANIC COMPOUNDS AND PRACTICE	546P	II YEAR IV SEMESTER	MSC (CHEMISTRY)





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	OF CHEMISTRY SOFTWARE PROGRAMMES PR			
368.	SYNTHESIS AND ANALYSIS OF DRUGS PR	547P	II YEAR IV SEMESTER	MSC (CHEMISTRY)
369.	MATHEMATICS-I	7141	I YEAR I SEMESTER	BSC (CSE)
370.	ECM	7142	I YEAR I SEMESTER	BSC (CSE)
371.	ECM-LAB	7142P	I YEAR I SEMESTER	BSC (CSE)
372.	IIT	7143	I YEAR I SEMESTER	BSC (CSE)
373.	IIT-LAB	7143P	I YEAR I SEMESTER	BSC (CSE)
374.	PROGRAMMING IN C	7144	I YEAR I SEMESTER	BSC (CSE)
375.	PROGRAMMING IN C-LAB	7144P	I YEAR I SEMESTER	BSC (CSE)
376.	INTRODUCTION TO INTERNET	A7145	I YEAR I SEMESTER	BSC (CSE)
377.	MATHEMATICS-II	7246	I YEAR II SEMESTER	BSC (CSE)
378.	PHYSICS	7247	I YEAR II SEMESTER	BSC (CSE)
379.	PHYSICS-LAB	7247P	I YEAR II SEMESTER	BSC (CSE)
380.	EDC	7248	I YEAR II SEMESTER	BSC (CSE)
381.	EDC-LAB	7248P	I YEAR II SEMESTER	BSC (CSE)
382.	PROG. IN UNIX	7249	I YEAR II SEMESTER	BSC (CSE)
383.	PROG. IN UNIX-LAB	7249P	I YEAR II SEMESTER	BSC (CSE)
384.	FUNDAMENTALS OF COMPUTING	17250	I YEAR II SEMESTER	BSC (CSE)
385.	MATHEMATICS-III	7352	II YEAR III SEMESTER	BSC (CSE)
386.	DLD	7353	II YEAR III SEMESTER	BSC (CSE)
387.	DLD-LAB	7353P	II YEAR III SEMESTER	BSC (CSE)
388.	OS	7354	II YEAR III SEMESTER	BSC (CSE)
389.	OS-LAB	7354P	II YEAR III SEMESTER	BSC (CSE)
390.	OOP-C++	7355	II YEAR III SEMESTER	BSC (CSE)



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391.	OOP-C++-LAB	7355P	II YEAR III SEMESTER	BSC (CSE)
392.	M-COMMERCE	A7356	II YEAR III SEMESTER	BSC (CSE)
393.	PROBABILITY & STATS.	7456	II YEAR IV SEMESTER	BSC (CSE)
394.	DATA STRUCTURES	7457	II YEAR IV SEMESTER	BSC (CSE)
395.	DATA STRUCTURES-LAB	7457P	II YEAR IV SEMESTER	BSC (CSE)
396.	MP8086 & INTERFACING	7458	II YEAR IV SEMESTER	BSC (CSE)
397.	MP8086 – LAB	7458P	II YEAR IV SEMESTER	BSC (CSE)
398.	PROG. IN JAVA	7459	II YEAR IV SEMESTER	BSC (CSE)
399.	PROG. IN JAVA-LAB	7459P	II YEAR IV SEMESTER	BSC (CSE)
400.	BASICS OF PROGRAMMING	17460	II YEAR IV SEMESTER	BSC (CSE)
401.	COMP. NET	7561	III YEAR V SEMESTER	BSC (CSE)
402.	COMPILER CONSTRUCTION	7562	III YEAR V SEMESTER	BSC (CSE)
403.	EMBEDDED SYSTEM	7563	III YEAR V SEMESTER	BSC (CSE)
404.	EMBEDDED SYS- LAB	7563P	III YEAR V SEMESTER	BSC (CSE)
405.	MDBMS	7564	III YEAR V SEMESTER	BSC (CSE)
406.	MDBMS-LAB	7564P	III YEAR V SEMESTER	BSC (CSE)
407.	SOFTWARE ENGINEERING	A7565	III YEAR V SEMESTER	BSC (CSE)
408.	NETWORK SECURITY	7666	III YEAR VI SEMESTER	BSC (CSE)
409.	WEB PROGRAMMING	7667	III YEAR VI SEMESTER	BSC (CSE)
410.	WEB PROG-LAB	7667P	III YEAR VI SEMESTER	BSC (CSE)
411.	CSP	7668	III YEAR VI SEMESTER	BSC (CSE)
412.	CSP-LAB	7668P	III YEAR VI SEMESTER	BSC (CSE)
413.	PROJECT/SEMINAR	7669	III YEAR VI	BSC (CSE)





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			SEMESTER	
414.	BASIC WEB DESIGNING	17670	III YEAR VI SEMESTER	BSC (CSE)
415.	PROGRAMMING IN C	6110	I YEAR II SEMESTER	BSC (MECS, MPC)
416.	PROGRAMMING IN C LAB	6110P	I YEAR II SEMESTER	BSC (MECS, MPC)
417.	INTRODUCTION OF INTERNET	A6110	I YEAR II SEMESTER	BSC (MECS, MPC)
418.	PROGRAMMING IN C++	6210	I YEAR II SEMESTER	BSC (MECS, MPC)
419.	PROGRAMMING IN C++ LAB	6210P	I YEAR II SEMESTER	BSC (MECS, MPC)
420.	FUNDAMENTALS OF COMPUTING	I6210	I YEAR II SEMESTER	BSC (MECS, MPC)
421.	OPP THROUGH JAVA	6310	II YEAR III SEMESTER	BSC (MECS, MPC)
422.	JAVA LAB	6310P	II YEAR III SEMESTER	BSC (MECS, MPC)
423.	M COMMERCE	A6310	II YEAR III SEMESTER	BSC (MECS, MPC)
424.	DATA STRUCTURES	6410	II YEAR IV SEMESTER	BSC (MECS, MPC)
425.	DS LAB	6410P	II YEAR IV SEMESTER	BSC (MECS, MPC)
426.	BASIC OF PROGRAMMING	I6410	II YEAR IV SEMESTER	BSC (MECS, MPC)
427.	DATA BASE MANAGEMENT SYSTEM	6510	III YEAR V SEMESTER	BSC (MECS, MPC)
428.	DBMS LAB	6510P	III YEAR V SEMESTER	BSC (MECS, MPC)
429.	SOFTWARE ENGINEERING	A6510	III YEAR V SEMESTER	BSC (MECS, MPC)
430.	WEB TECHNOLOGIES	6610	III YEAR VI SEMESTER	BSC (MECS, MPC)
431.	WB LAB	6610P	III YEAR VI SEMESTER	BSC (MECS, MPC)
432.	BASIC WEB DESIGN	I6610	III YEAR VI SEMESTER	BSC (MECS, MPC)
433.	MICRO ECONOMICS	1111	I YEAR I SEMESTER	BA (EPP)
434.	TAXATION	A1111	I YEAR I SEMESTER	BA (EPP)
435.	MACRO ECONOMICS	1211	I YEAR II SEMESTER	BA (EPP)
436.	PUBLIC FINANCE	11211	I YEAR II SEMESTER	BA (EPP)



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437.	MICRO ECONOMICS	1311	II YEAR III SEMESTER	BA (EPP)
438.	MONEY AND BANKING	A1111	II YEAR III SEMESTER	BA (EPP)
439.	PUBLIC ECONOMICS	1411	II YEAR IV SEMESTER	BA (EPP)
440.	ENVIRONMENTAL ECONOMICS	11211	II YEAR IV SEMESTER	BA (EPP)
441.	INDIAN ECONOMY	1511	III YEAR V SEMESTER	BA (EPP)
442.	PUBLIC FINANCE	1511	III YEAR V SEMESTER	BA (EPP)
443.	INDUSTRIAL ECONOMICS	A1111	III YEAR V SEMESTER	BA (EPP)
444.	INDIAN ECONOMY	1611	III YEAR VI SEMESTER	BA (EPP)
445.	PUBLIC FINANCE AND INTERNATIONAL ECONOMICS	1611	III YEAR VI SEMESTER	BA (EPP)
446.	FINANCIAL ECONOMICS	11211	III YEAR VI SEMESTER	BA (EPP)
447.	MICRO ECONOMICS ANALYSIS-I	101	I YEAR I SEMESTER	MA (ECONOMICS)
448.	MACRO ECONOMICS ANALYSIS-I	102	I YEAR I SEMESTER	MA (ECONOMICS)
449.	QUANTITATIVE METHODS- I	103	I YEAR I SEMESTER	MA (ECONOMICS)
450.	AGRICULTURAL ECONOMICS- L OR COMPUTER APPLICATIONS-L	104	I YEAR I SEMESTER	MA (ECONOMICS)
451.	ECONOMICS OF SOCIAL SECTOR-I OR FINANCIAL ECONOMICS-I	105	I YEAR I SEMESTER	MA (ECONOMICS)
452.	COMMUNICATIVE ENGLISH & SOFT SKILLS	106	I YEAR I SEMESTER	MA (ECONOMICS)





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453.	SEMINAR	SEMINAR	I YEAR I SEMESTER	MA (ECONOMICS)
454.	MICRO ECONOMICS ANALYSIS-II	201	I YEAR II SEMESTER	MA (ECONOMICS)
455.	MACRO ECONOMICS ANALYSIS-II	202	I YEAR II SEMESTER	MA (ECONOMICS)
456.	QUANTITATIVE METHODS- II	203	I YEAR II SEMESTER	MA (ECONOMICS)
457.	AGRICULTURAL ECONOMICS- LI OR COMPUTER APPLICATIONS-II	204	I YEAR II SEMESTER	MA (ECONOMICS)
458.	ECONOMICS OF SOCIAL SECTOR-II OR FINANCIAL ECONOMICS-II	205	I YEAR II SEMESTER	MA (ECONOMICS)
459.	HUMAN VALUES AND PROFESSIONAL ETHICS	206	I YEAR II SEMESTER	MA (ECONOMICS)
460.	SEMINAR	SEMINAR	I YEAR II SEMESTER	MA (ECONOMICS)
461.	ECONOMETRICS-I	301	I YEAR III SEMESTER	MA (ECONOMICS)
462.	INTERNATIONAL ECONOMICS-I	302	I YEAR III SEMESTER	MA (ECONOMICS)
463.	PUBLIC ECONOMICS-I	303	I YEAR III SEMESTER	MA (ECONOMICS)
464.	INDUSTRIAL ECONOMICS-I OR AGRI-BUSINESS-I	304	I YEAR III SEMESTER	MA (ECONOMICS)
465.	DEMOGRAPHY-I OR DEVELOPMENT ECONOMICS-I	305	I YEAR III SEMESTER	MA (ECONOMICS)
466.	TELANGANA ECONOMY	306	I YEAR III SEMESTER	MA (ECONOMICS)
467.	SEMINAR	SEMINAR	I YEAR III SEMESTER	MA (ECONOMICS)
468.	ECONOMETRICS-II	401	I YEAR IV SEMESTER	MA (ECONOMICS)



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469.	INTERNATIONAL ECONOMICS-II	402	I YEAR IV SEMESTER	MA (ECONOMICS)
470.	ENVIRONMENTAL ECONOMICS-II	403	I YEAR IV SEMESTER	MA (ECONOMICS)
471.	INDUSTRIAL ECONOMICS-II OR AGRI-BUSINESS-II	404	I YEAR IV SEMESTER	MA (ECONOMICS)
472.	ECONOMICS OF INSURANCE OR TELANGANA ECONOMY	405	I YEAR IV SEMESTER	MA (ECONOMICS)
473.	INDIAN ECONOMY AND DEVELOPMENT	406	I YEAR IV SEMESTER	MA (ECONOMICS)
474.	SEMINAR	SEMINAR	I YEAR IV SEMESTER	MA (ECONOMICS)
475.	CIRCUIT ANALYSIS	6112	I YEAR I SEMESTER	BSC (MECS, MPE)
476.	CIRCUIT ANALYSIS PR	6112P	I YEAR I SEMESTER	BSC (MECS, MPE)
477.	INDUSTRIAL ELECTRONICS	A6112	I YEAR I SEMESTER	BSC (MECS, MPE)
478.	ELECTRONIC DEVICES	6212	I YEAR II SEMESTER	BSC (MECS, MPE)
479.	ELECTRONIC DEVICES PR	6212P	I YEAR II SEMESTER	BSC (MECS, MPE)
480.	FUNDAMENTALS OF ELECTRONICS	16212	I YEAR II SEMESTER	BSC (MECS, MPE)
481.	POWER SUPPLIES & ANALOG CIRCUITS	6312	II YEAR III SEMESTER	BSC (MECS, MPE)
482.	POWER SUPPLIES & ANALOG CIRCUITS PR	6312P	II YEAR III SEMESTER	BSC (MECS, MPE)
483.	DIGITAL SIGNAL PROCESSING	A6312	II YEAR III SEMESTER	BSC (MECS, MPE)
484.	APPLICATION OF OPERATIONAL AMPLIFIERS & COMMUNICATION	6412	II YEAR IV SEMESTER	BSC (MECS, MPE)





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485.	APPLICATION OF OPERATIONAL AMPLIFIERS & COMMUNICATION PR	6412P	II YEAR IV SEMESTER	BSC (MECS, MPE)
486.	MODERN COMMUNICATION SYSTEM	16412	II YEAR IV SEMESTER	BSC (MECS, MPE)
487.	DIGITAL ELECTRONICS & MICROPROCESSOR-INTEL 8085	6512	III YEAR V SEMESTER	BSC (MECS, MPE)
488.	DIGITAL ELECTRONICS & MICROPROCESSOR-INTEL 8085 PR	6512P	III YEAR V SEMESTER	BSC (MECS, MPE)
489.	PIC & ATMEL MICROCONTROLLERS	A6512	III YEAR V SEMESTER	BSC (MECS, MPE)
490.	FUNDAMENTALS OF EMBEDDED SYSTEMS & MICROCONTROLLER	6612	III YEAR VI SEMESTER	BSC (MECS, MPE)
491.	FUNDAMENTALS OF EMBEDDED SYSTEMS & MICROCONTROLLER PR	6612P	III YEAR VI SEMESTER	BSC (MECS, MPE)
492.	MICROPROCESSOR & MICROCONTROLLER	16612	III YEAR VI SEMESTER	BSC (MECS, MPE)
493.	ENGLISH-I	ELS-1	I YEAR I SEMESTER	BA, B.COM, BSC, BBA, BBM
494.	ENGLISH-II	ELS-2	I YEAR II SEMESTER	BA, B.COM, BSC, BBA, BBM
495.	ENGLISH-III	ELS-3	II YEAR III SEMESTER	BA, B.COM, BSC, BBA, BBM
496.	ENGLISH-IV	ELS-4	II YEAR IV SEMESTER	BA, B.COM, BSC, BBA, BBM



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497.	THE ENGLISH LANGUAGE: HISTORY, DESCRIPTION AND PRACTICE	101	I YEAR I SEMESTER	MA (ENGLISH)
498.	ENGLISH POETRY	102	I YEAR I SEMESTER	MA (ENGLISH)
499.	ENGLISH DRAMA	103	I YEAR I SEMESTER	MA (ENGLISH)
500.	ENGLISH LANGUAGE AND PHONETICS	104	I YEAR I SEMESTER	MA (ENGLISH)
501.	MODERN INDIAN LITERATURES IN TRANSLATION	105	I YEAR I SEMESTER	MA (ENGLISH)
502.	ENGLISH LANGUAGE TEACHING HISTORY, APPROACHES AND METHODS	201	I YEAR II SEMESTER	MA (ENGLISH)
503.	ENGLISH PROSE	202	I YEAR II SEMESTER	MA (ENGLISH)
504.	ENGLISH FICTION	203	I YEAR II SEMESTER	MA (ENGLISH)
505.	WOMEN'S WRITING	204	I YEAR II SEMESTER	MA (ENGLISH)
506.	TWENTIETH CENTURY LITERARY CRITICISM AND THEORY	205	I YEAR II SEMESTER	MA (ENGLISH)
507.	ENGLISH LANGUAGE TEACHING CLASSROOM TECHNIQUES AND PRACTICAL ENGLISH	301	II YEAR III SEMESTER	MA (ENGLISH)
508.	AMERICAN LITERATURE	302	II YEAR III SEMESTER	MA (ENGLISH)
509.	INDIAN WRITING IN ENGLISH- I	303	II YEAR III SEMESTER	MA (ENGLISH)
510.	POSTCOLONIAL LITERATURES	304	II YEAR III SEMESTER	MA (ENGLISH)





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511.	LITERATURE AND FILM	305	II YEAR III SEMESTER	MA (ENGLISH)
512.	ENGLISH LANGUAGE TEACHING HISTORY, APPROACHES AND METHODS	401	II YEAR IV SEMESTER	MA (ENGLISH)
513.	ENGLISH PROSE	402	II YEAR IV SEMESTER	MA (ENGLISH)
514.	ENGLISH FICTION	403	II YEAR IV SEMESTER	MA (ENGLISH)
515.	WOMEN'S WRITING	404	II YEAR IV SEMESTER	MA (ENGLISH)
516.	TWENTIETH CENTURY LITERARY CRITICISM AND THEORY	405	II YEAR IV SEMESTER	MA (ENGLISH)
517.	HINDI-I	SL0104	I YEAR I SEMESTER	BA B.COM BSC BBA BBM
518.	HINDI-II	SL0204	I YEAR II SEMESTER	BA B.COM BSC BBA BBM
519.	HINDI-III	SL0304	II YEAR III SEMESTER	BA B.COM BSC BBA BBM
520.	HINDI-IV	SL0404	II YEAR IV SEMESTER	BA B.COM BSC BBA BBM
521.	HISTORY OF INDIA (FROM EARLIEST TIMES TO 700 CE)	1113	I YEAR I SEMESTER	BA (HPML)
522.	INDIAN HERITAGE AND CULTURE	ADDON	I YEAR I SEMESTER	BA (HPML)
523.	HISTORY OF INDIA (FROM 700-15 II6 CE)	1213	I YEAR II SEMESTER	BA (HPML)
524.	TOURISM IN TELANGANA	IDE	I YEAR II SEMESTER	BA (HPML)
525.	HISTORY OF INDIA (FROM 15 II6-1857CE)	1313	II YEAR III SEMESTER	BA (HPML)
526.	HISTORY AND CULTURE OF TELANGANA	ADDON	II YEAR III SEMESTER	BA (HPML)
527.	HISTORY OF INDIA (FROM 1858 -1964 CE)	1413	II YEAR IV SEMESTER	BA (HPML)



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528.	HISTORY OF TOURISM IN INDIA	IDE	II YEAR IV SEMESTER	BA (HPML)
529.	WORLD HISTORY (1453-1815 CE)	1513A	III YEAR V SEMESTER	BA (HPML)
530.	ISLAMIC HISTORY & CULTURE (FROM EARLIEST TIMES TO FALL OF UMAYYAD)	1513B	III YEAR V SEMESTER	BA (HPML)
531.	ARCHIVES & MUSEUMS	ADDON	III YEAR V SEMESTER	BA (HPML)
532.	WORLD HISTORY (1815-1950 CE)	1513A	III YEAR VI SEMESTER	BA (HPML)
533.	ISLAMIC HISTORY & CULTURE (RISE OF ABBASIDS TO CRUSADES)	1513A	III YEAR VI SEMESTER	BA (HPML)
534.	HISTORY OF WORLD TOURISM	IDE	III YEAR VI SEMESTER	BA (HPML)
535.	HISTORY OF INDIA (FROM EARLIEST TIMES TO 1106 CE)	211	I YEAR I SEMESTER	MA (HISTORY)
536.	HISTORY OF MODERN WORLD (FROM 1453 TO 1871 CE)	212	I YEAR I SEMESTER	MA (HISTORY)
537.	HISTORY & CULTURE OF TELANGANA (FROM EARLIEST TIMES TO 1714 CE)	213	I YEAR I SEMESTER	MA (HISTORY)
538.	ANCIENT CIVILIZATION	214A	I YEAR I SEMESTER	MA (HISTORY)
539.	HISTORY OF CHINA (1879 TO 1949 CE)	214B	I YEAR I SEMESTER	MA (HISTORY)
540.	TOURISM & CULTURE	215A	I YEAR I SEMESTER	MA (HISTORY)
541.	HISTORY OF USA (1776 TO 1945 CE)	215B	I YEAR I SEMESTER	MA (HISTORY)





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542.	COMMUNICATIVE ENGLISH & SOFT SKILLS	116	I YEAR I SEMESTER	MA (HISTORY)
543.	HISTORY OF INDIA (1 II06- 1858 CE)	221	I YEAR II SEMESTER	MA (HISTORY)
544.	HISTORY OF MODERN WORLD (FROM 1871 1964 CE)	222	I YEAR II SEMESTER	MA (HISTORY)
545.	HISTORY & CULTURE OF TELANGANA (17 II4 TO II014 CE)	223	I YEAR II SEMESTER	MA (HISTORY)
546.	HISTORIOGRAPHY & HISTORICAL METHOD	224A	I YEAR II SEMESTER	MA (HISTORY)
547.	HISTORY OF RUSSIA (1861- 1991 CE)	224B	I YEAR II SEMESTER	MA (HISTORY)
548.	ENVIRONMENTAL HISTORY OF MODEM INDIA	225A	I YEAR II SEMESTER	MA (HISTORY)
549.	HISTORY OF JAPAN (1850- 1945 CE)	225B	I YEAR II SEMESTER	MA (HISTORY)
550.	BASICS OF COMPUTER SCIENCE	126	I YEAR II SEMESTER	MA (HISTORY)
551.	SOCIAL, ECONOMIC & CULTURAL HISTORY OF MIEVEAL INDIA (1 II08-1707 CE)	231	II YEAR III SEMESTER	MA (HISTORY)
552.	SOCIAL, ECONOMIC & CULTURAL HISTORY OF MODEM INDIA (1707-1947 CE)	232	II YEAR III SEMESTER	MA (HISTORY)



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553.	HISTORY OF DALIT MOVEMENT IN INDIA (1900 - 1947 AD)	233	II YEAR III SEMESTER	MA (HISTORY)
554.	HISTORY OF SCIENCE & TECHNOLOGY IN MODERN INDIA (1800-1964 CE)	234A	II YEAR III SEMESTER	MA (HISTORY)
555.	ARCHITECTURE IN DECCAN	234B	II YEAR III SEMESTER	MA (HISTORY)
556.	HISTORY OF CONTEMPORARY INDIA (1947- II000 CE)	235	II YEAR III SEMESTER	MA (HISTORY)
557.	CULTURAL HERITAGE OF INDIA PART A	236	II YEAR III SEMESTER	MA (HISTORY)
558.	NATIONAL MOVEMENT IN INDIA (1858 1947 CE)	241	II YEAR IV SEMESTER	MA (HISTORY)
559.	BUDDHIST STUDIES	242	II YEAR IV SEMESTER	MA (HISTORY)
560.	TRIBAL & PEASANT MOVEMENT IN INDIA (19 & II0 CENTURIES)	243	II YEAR IV SEMESTER	MA (HISTORY)
561.	CONSTITUTIONAL HISTORY OF INDIA (1773 1947 CE)	244A	II YEAR IV SEMESTER	MA (HISTORY)
562.	ARCHIVES & MUSEUMS	244B	II YEAR IV SEMESTER	MA (HISTORY)
563.	WOMEN STUDIES IN MODEM INDIA	245	II YEAR IV SEMESTER	MA (HISTORY)
564.	CULTURAL HERITAGE OF INDIA PART B	246	II YEAR IV SEMESTER	MA (HISTORY)
565.	DIFFERENTIAL CALCULUS	6114	I YEAR I SEMESTER	BSC (MPCS, MPC, MECS, MPE)





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566.	DIFFERENTIAL CALCULUS PR	6114P	I YEAR I SEMESTER	BSC (MPCS, MPC, MECS, MPE)
567.	DIFFERENTIAL EQUATIONS	6214	I YEAR II SEMESTER	BSC (MPCS, MPC, MECS, MPE)
568.	DIFFERENTIAL EQUATIONS PR	6214P	I YEAR II SEMESTER	BSC (MPCS, MPC, MECS, MPE)
569.	REAL ANALYSIS	6314	II YEAR III SEMESTER	BSC (MPCS, MPC, MECS, MPE)
570.	REAL ANALYSIS PR	6314P	II YEAR III SEMESTER	BSC (MPCS, MPC, MECS, MPE)
571.	ALGEBRA	6414	II YEAR IV SEMESTER	BSC (MPCS, MPC, MECS, MPE)
572.	ALGEBRA PR	6414P	II YEAR IV SEMESTER	BSC (MPCS, MPC, MECS, MPE)
573.	LINEAR ALGEBRA	6514	III YEAR V SEMESTER	BSC (MPCS, MPC, MECS, MPE)
574.	LINEAR ALGEBRA PR	6514P	III YEAR V SEMESTER	BSC (MPCS, MPC, MECS, MPE)
575.	NUMERICAL ANALYSIS	6614	III YEAR VI SEMESTER	BSC (MPCS, MPC, MECS, MPE)
576.	NUMERICAL ANALYSIS PR	6614P	III YEAR VI SEMESTER	BSC (MPCS, MPC, MECS, MPE)
577.	ALGEBRA	AM101	I YEAR I SEMESTER	MSC (APPLIED MATHEMATICS)
578.	ANALYSIS	AM102	I YEAR I SEMESTER	MSC (APPLIED MATHEMATICS)
579.	MATHEMATICAL METHODS	AM103	I YEAR I SEMESTER	MSC (APPLIED MATHEMATICS)



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580.	MECHANICS	AM104	I YEAR I SEMESTER	MSC (APPLIED MATHEMATICS)
581.	ALGEBRA PR	AM151	I YEAR I SEMESTER	MSC (APPLIED MATHEMATICS)
582.	ANALYSIS PR	AM152	I YEAR I SEMESTER	MSC (APPLIED MATHEMATICS)
583.	MATHEMATICAL METHODS PR	AM153	I YEAR I SEMESTER	MSC (APPLIED MATHEMATICS)
584.	MECHANICS PR	AM154	I YEAR I SEMESTER	MSC (APPLIED MATHEMATICS)
585.	ADVANCED ALGEBRA	AM201	I YEAR II SEMESTER	MSC (APPLIED MATHEMATICS)
586.	ADVANCED ANALYSIS	AM202	I YEAR II SEMESTER	MSC (APPLIED MATHEMATICS)
587.	COMPLEX ANALYSIS	AM203	I YEAR II SEMESTER	MSC (APPLIED MATHEMATICS)
588.	FLUID MECHANICS	AM204	I YEAR II SEMESTER	MSC (APPLIED MATHEMATICS)
589.	ADVANCED ALGEBRA PR	AM251	I YEAR II SEMESTER	MSC (APPLIED MATHEMATICS)
590.	ADVANCED ANALYSIS PR	AM252	I YEAR II SEMESTER	MSC (APPLIED MATHEMATICS)
591.	COMPLEX ANALYSIS PR	AM253	I YEAR II SEMESTER	MSC (APPLIED MATHEMATICS)
592.	FLUID MECHANICS PR	AM254	I YEAR II SEMESTER	MSC (APPLIED MATHEMATICS)
593.	VISCOUS FLOWS	AM301	II YEAR III SEMESTER	MSC (APPLIED MATHEMATICS)





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594.	FINITE DIFFERENCE METHODS	AM302	II YEAR III SEMESTER	MSC (APPLIED MATHEMATICS)
595.	COMPRESSIBLE FLOWS INTEGRAL TRANSFORMS DIFFERENTIAL GEOMETRY	AM303A AM303B AM303C	II YEAR III SEMESTER	MSC (APPLIED MATHEMATICS)
596.	NUMERICAL TECHNIQUES OPERATIONS RESEARCH DYNAMICAL SYSTEMS	AM304A AM304B AM304C	II YEAR III SEMESTER	MSC (APPLIED MATHEMATICS)
597.	VISCOUS FLOWS PR	AM351	II YEAR III SEMESTER	MSC (APPLIED MATHEMATICS)
598.	FINITE DIFFERENCE METHODS PR	AM352	II YEAR III SEMESTER	MSC (APPLIED MATHEMATICS)
599.	COMPRESSIBLE FLOWS PR INTEGRAL TRANSFORMS PR DIFFERENTIAL GEOMETRY PR	AM353A AM353B AM353C	II YEAR III SEMESTER	MSC (APPLIED MATHEMATICS)
600.	NUMERICAL TECHNIQUES PR OPERATIONS RESEARCH PR DYNAMICAL SYSTEMS PR	AM354A AM354B AM354C	II YEAR III SEMESTER	MSC (APPLIED MATHEMATICS)
601.	ADVANCED COMPLEX ANALYSIS	AM401	II YEAR IV SEMESTER	MSC (APPLIED MATHEMATICS)
602.	FINITE ELEMENT METHODS	AM402	II YEAR IV SEMESTER	MSC (APPLIED MATHEMATICS)
603.	INTEGRAL EQUATIONS & CALCULUS OF VARIATIONS MHD BIO-MECHANICS	AM403	II YEAR IV SEMESTER	MSC (APPLIED MATHEMATICS)
604.	FUNCTIONAL ANALYSIS DISCRETE MATHEMATICS TOPOLOGY	AM404	II YEAR IV SEMESTER	MSC (APPLIED MATHEMATICS)



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605.	ADVANCED COMPLEX ANALYSIS PR	AM451	II YEAR IV SEMESTER	MSC (APPLIED MATHEMATICS)
606.	FINITE ELEMENT METHODS PR	AM452	II YEAR IV SEMESTER	MSC (APPLIED MATHEMATICS)
607.	INTEGRAL EQUATIONS & CALCULUS OF VARIATIONS PR MHD PR BIO-MECHANICS PR	AM453A AM453B AM453C	II YEAR IV SEMESTER	MSC (APPLIED MATHEMATICS)
608.	FUNCTIONAL ANALYSIS PR DISCRETE MATHEMATICS PR TOPOLOGY PR	AM454A AM454B AM454C	II YEAR IV SEMESTER	MSC (APPLIED MATHEMATICS)
609.	GENERAL MICROBIOLOGY-I	6115	I YEAR I SEMESTER	BSC (BTMBC)
610.	GENERAL MICROBIOLOGY-I PR	6115P	I YEAR I SEMESTER	BSC (BTMBC)
611.	BIOREMEDIATION	A6115	I YEAR I SEMESTER	BSC (BTMBC)
612.	GENERAL MICROBIOLOGY-II	6215	I YEAR II SEMESTER	BSC (BTMBC)
613.	GENERAL MICROBIOLOGY-II PR	6215P	I YEAR II SEMESTER	BSC (BTMBC)
614.	BIO PESTICIDES	16215	I YEAR II SEMESTER	BSC (BTMBC)
615.	MICROBIAL PHYSIOLOGY AND ENZYMOLOGY	6315	II YEAR III SEMESTER	BSC (BTMBC)
616.	MICROBIAL PHYSIOLOGY & ENZYMOLOGY PR	6315P	II YEAR III SEMESTER	BSC (BTMBC)
617.	SOIL MICROBIOLOGY	A6315	II YEAR III SEMESTER	BSC (BTMBC)
618.	MICROBIAL GENETICS & MOLECULAR BIOLOGY	6415	II YEAR IV SEMESTER	BSC (BTMBC)
619.	MICROBIAL GENETICS & MOLECULAR BIOLOGY PR	6415P	II YEAR IV SEMESTER	BSC (BTMBC)





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620.	FOOD MICROBIOLOGY	16415	II YEAR IV SEMESTER	BSC (BTMBC)
621.	IMMUNOLOGY & MEDICAL MICROBIOLOGY	6515	III YEAR V SEMESTER	BSC (BTMBC)
622.	IMMUNOLOGY & MEDICAL MICROBIOLOGY PR	6515P	III YEAR V SEMESTER	BSC (BTMBC)
623.	CONTAGIOUS DISEASES & IMMUNIZATION	A6515	III YEAR V SEMESTER	BSC (BTMBC)
624.	APPLIED MICROBIOLOGY	6615	III YEAR VI SEMESTER	BSC (BTMBC)
625.	APPLIED MICROBIOLOGY PR	6615P	III YEAR VI SEMESTER	BSC (BTMBC)
626.	FOOD ADULTERATION	16615	III YEAR VI SEMESTER	BSC (BTMBC)
627.	NUTRITIONAL BIOCHEMISTRY	101	I YEAR I SEMESTER	BSC (NZC)
628.	NUTRITION THROUGH THE LIFE CYCLE	201	I YEAR II SEMESTER	BSC (NZC)
629.	INTRODUCTION TO FOOD TECHNOLOGY	301	II YEAR III SEMESTER	BSC (NZC)
630.	FOOD TECHNOLOGY	401	II YEAR IV SEMESTER	BSC (NZC)
631.	THERAPEUTIC NUTRITION	501	III YEAR V SEMESTER	BSC (NZC)
632.	PUBLIC HEALTH/COMMUNITY NUTRITION AND HEALTH EDUCATION	502	III YEAR V SEMESTER	BSC (NZC)
633.	DIET THERAPY	601	III YEAR VI SEMESTER	BSC (NZC)
634.	FOOD SAFETY AND QUALITY CONTROL/FOOD MICROBIOLOGY	602	III YEAR VI SEMESTER	BSC (NZC)



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635.	NUTRITIONAL BIOCHEMISTRY PR	151	I YEAR I SEMESTER	BSC (NZN)
636.	NUTRITION THROUGH THE LIFE CYCLE PR	251	I YEAR II SEMESTER	BSC (NZN)
637.	INTRODUCTION TO FOOD TECHNOLOGY PR	351	II YEAR III SEMESTER	BSC (NZN)
638.	FOOD TECHNOLOGY PR	451	II YEAR IV SEMESTER	BSC (NZN)
639.	THERAPEUTIC NUTRITION PR	551	III YEAR V SEMESTER	BSC (NZN)
640.	PUBLIC HEALTH/COMMUNITY NUTRITION AND HEALTH EDUCATION PR	552	III YEAR V SEMESTER	BSC (NZN)
641.	DIET THERAPY PR	651	III YEAR VI SEMESTER	BSC (NZN)
642.	FOOD SAFETY AND QUALITY CONTROL/FOOD MICROBIOLOGY PR	652	III YEAR VI SEMESTER	BSC (NZN)
643.	HUMAN NUTRITION	ND101T	I YEAR I SEMESTER	MSC (NUTRITION)
644.	NUTRITIONAL BIOCHEMISTRY-I	ND102T	I YEAR I SEMESTER	MSC (NUTRITION)
645.	HUMAN PHYSIOLOGY	ND103T	I YEAR I SEMESTER	MSC (NUTRITION)
646.	PRINCIPLES OF DIETETICS	ND104T	I YEAR I SEMESTER	MSC (NUTRITION)
647.	HUMAN NUTRITION PR	ND105P	I YEAR I SEMESTER	MSC (NUTRITION)
648.	NUTRITIONAL BIOCHEMISTRY-I PR	ND106P	I YEAR I SEMESTER	MSC (NUTRITION)
649.	HUMAN PHYSIOLOGY PR	ND107P	I YEAR I SEMESTER	MSC (NUTRITION)
650.	PRINCIPLES OF DIETETICS PR	ND108P	I YEAR I SEMESTER	MSC (NUTRITION)
651.	PRINCIPLES OF FOODS	ND201T	I YEAR II SEMESTER	MSC (NUTRITION)





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652.	NUTRITIONAL BIOCHEMISTRY-II	ND202T	I YEAR II SEMESTER	MSC (NUTRITION)
653.	DIET IN DISEASE	ND203T	I YEAR II SEMESTER	MSC (NUTRITION)
654.	RESEARCH METHODOLOGY	ND204T	I YEAR II SEMESTER	MSC (NUTRITION)
655.	PRINCIPLES OF FOODS PR	ND205P	I YEAR II SEMESTER	MSC (NUTRITION)
656.	NUTRITIONAL BIOCHEMISTRY-II PR	ND206P	I YEAR II SEMESTER	MSC (NUTRITION)
657.	DIET IN DISEASE PR	ND207P	I YEAR II SEMESTER	MSC (NUTRITION)
658.	RESEARCH METHODOLOGY PR	ND208P	I YEAR II SEMESTER	MSC (NUTRITION)
659.	FOOD MICROBIOLOGY	ND301T	II YEAR III SEMESTER	MSC (NUTRITION)
660.	FOOD SAFETY AND QUALITY CONTROL	ND302T	II YEAR III SEMESTER	MSC (NUTRITION)
661.	PRODUCT DEVELOPMENT	ND303T	II YEAR III SEMESTER	MSC (NUTRITION)
662.	ADVANCED NUTRITION	ND304T	II YEAR III SEMESTER	MSC (NUTRITION)
663.	FOOD MICROBIOLOGY PR	ND305P	II YEAR III SEMESTER	MSC (NUTRITION)
664.	PRODUCT DEVELOPMENT PR	ND306P	II YEAR III SEMESTER	MSC (NUTRITION)
665.	SEMINAR	SEMINAR	II YEAR III SEMESTER	MSC (NUTRITION)
666.	CHOICE BASED PAPER I: PATIENT COUNSELLING AND COMPUTER APPLICATIONS CHOICE BASED PAPER II: NUTRITION IN INTENSIVE CARE	ND401T	II YEAR IV SEMESTER	MSC (NUTRITION)
667.	FOOD TECHNOLOGY	ND402T	II YEAR IV SEMESTER	MSC (NUTRITION)
668.	COMMUNITY NUTRITION	ND403T	II YEAR IV SEMESTER	MSC (NUTRITION)
669.	FOOD SERVICE MANAGEMENT	ND404T	II YEAR IV SEMESTER	MSC (NUTRITION)



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670.	INTERNSHIP	ND405P	II YEAR IV SEMESTER	MSC (NUTRITION)
671.	PROJECT	ND406P	II YEAR IV SEMESTER	MSC (NUTRITION)
672.	SEMINAR	SEMINAR	II YEAR IV SEMESTER	MSC (NUTRITION)
673.	MECHANICS	6118	I YEAR I SEMESTER	BSC (MPSC, MPC, MPE)
674.	MECHANICAL LAB	6118P	I YEAR I SEMESTER	BSC (MPSC, MPC, MPE)
675.	DOMESTIC ELECTRICAL WIRING	A6118	I YEAR I SEMESTER	BSC (MPSC, MPC, MPE)
676.	WAVES AND OSCILLATION	6218	I YEAR II SEMESTER	BSC (MPSC, MPC, MPE)
677.	WAVES AND OSCILLATION LAB	6218P	I YEAR II SEMESTER	BSC (MPSC, MPC, MPE)
678.	DOMESTIC ELECTRICAL APPLIANCES	I6218	I YEAR II SEMESTER	BSC (MPSC, MPC, MPE)
679.	THERMAL PHYSICS	6318	II YEAR III SEMESTER	BSC (MPSC, MPC, MPE)
680.	THERMAL PHYSICS LAB	6318P	II YEAR III SEMESTER	BSC (MPSC, MPC, MPE)
681.	SOLAR ENERGY AND IT'S COLLECTORS	A6318	II YEAR III SEMESTER	BSC (MPSC, MPC, MPE)
682.	OPTICS	6418	III YEAR IV SEMESTER	BSC (MPSC, MPC, MPE)
683.	OPTICS LAB	6418P	III YEAR IV SEMESTER	BSC (MPSC, MPC, MPE)
684.	STORAGE AND UTILIZATION OF SOLAR ENERGY	I6418	III YEAR IV SEMESTER	BSC (MPSC, MPC, MPE)
685.	ELECTRICITY, MAGNETISM AND ELECTRONICS	6518	III YEAR V SEMESTER	BSC (MPSC, MPC, MPE)
686.	ELECTRICITY LAB	6518P	III YEAR V SEMESTER	BSC (MPSC, MPC, MPE)
687.	SOLAR CHEMICAL ENERGY	A6518	III YEAR V SEMESTER	BSC (MPSC, MPC, MPE)
688.	MODERN PHYSICS	6618	III YEAR VI SEMESTER	BSC (MPSC, MPC, MPE)





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689.	MODERN PHYSICS AND ELECTRONICS LAB	6618P	III YEAR VI SEMESTER	BSC (MPSC, MPC, MPE)
690.	MECHANICAL AND GEOTHERMAL ENERGY	I6618	III YEAR VI SEMESTER	BSC (MPSC, MPC, MPE)
691.	MATHEMATICAL PHYSICS	P101	I YEAR I SEMESTER	MSC (PHYSICS)
692.	CLASSICAL MECHANICS	P102	I YEAR I SEMESTER	MSC (PHYSICS)
693.	QUANTUM MECHANICS – I	P103	I YEAR I SEMESTER	MSC (PHYSICS)
694.	SOLID STATE PHYSICS	P104	I YEAR I SEMESTER	MSC (PHYSICS)
695.	HEAT & ACOUSTICS	P105	I YEAR I SEMESTER	MSC (PHYSICS)
696.	OPTICS	P106	I YEAR I SEMESTER	MSC (PHYSICS)
697.	COMMUNICATIVE ENGLISH & SOFT SKILLS	P107	I YEAR I SEMESTER	MSC (PHYSICS)
698.	ELECTROMAGNETIC THEORY	P201	I YEAR II SEMESTER	MSC (PHYSICS)
699.	STATISTICAL MECHANICS	P202	I YEAR II SEMESTER	MSC (PHYSICS)
700.	QUANTUM MECHANICS – II	P203	I YEAR II SEMESTER	MSC (PHYSICS)
701.	ELECTRONICS	P204	I YEAR II SEMESTER	MSC (PHYSICS)
702.	ELECTRONICS	P205	I YEAR II SEMESTER	MSC (PHYSICS)
703.	COMPUTER PROGRAMMING	P206	I YEAR II SEMESTER	MSC (PHYSICS)
704.	BASICS OF COMPUTER SCIENCE	P207	I YEAR II SEMESTER	MSC (PHYSICS)
705.	MODERN OPTICS	P301	II YEAR III SEMESTER	MSC (PHYSICS)
706.	ADVANCED SOLID STATE PHYSICS	P302	II YEAR III SEMESTER	MSC (PHYSICS)
707.	DIGITAL LOGIC CIRCUITS	P303	II YEAR III SEMESTER	MSC (PHYSICS)
708.	MICROPROCESSORS, DSPS & INTERFACING	P304	II YEAR III SEMESTER	MSC (PHYSICS)
709.	ELECTRONIC INSTRUMENTATION	P305	II YEAR III SEMESTER	MSC (PHYSICS)



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710.	SPECTROSCOPY	P306	II YEAR III SEMESTER	MSC (PHYSICS)
711.	ANALOGY AND DIGITAL SIMULATION	P307	II YEAR III SEMESTER	MSC (PHYSICS)
712.	PRINCIPLES OF ELECTRICAL APPLIANCES	P308	II YEAR III SEMESTER	MSC (PHYSICS)
713.	NUCLEAR PHYSICS	P401	II YEAR IV SEMESTER	MSC (PHYSICS)
714.	SPECTROSCOPY	P402	II YEAR IV SEMESTER	MSC (PHYSICS)
715.	EMBEDDED SYSTEMS AND ITS APPLICATIONS	P403	II YEAR IV SEMESTER	MSC (PHYSICS)
716.	PC ARCHITECTURE	P404	II YEAR IV SEMESTER	MSC (PHYSICS)
717.	INSTRUMENTATION FOR MEASUREMENT, CONTROL, DATA ACQUISITION AND DATA TRANSMISSION	P405	II YEAR IV SEMESTER	MSC (PHYSICS)
718.	NUCLEAR PHYSICS	P406	II YEAR IV SEMESTER	MSC (PHYSICS)
719.	MICROPROCESSORS (8086) & MICROCONTROLLERS (8051)	P407	II YEAR IV SEMESTER	MSC (PHYSICS)
720.	SOLAR ENERGY UTILIZATION	P408	II YEAR IV SEMESTER	MSC (PHYSICS)
721.	POL. SCIENCE – CONCEPTS, THEORIES AND INSTITUTIONS	1119	I YEAR I SEMESTER	BA (EPP, HPML)
722.	HUMAN RIGHTS AND DUTIES	A1119	I YEAR I SEMESTER	BA (EPP, HPML)
723.	POLITICAL SCIENCE IDEOLOGIES	1219	I YEAR I SEMESTER	BA (EPP, HPML)
724.	INTRODUCTION TO CHILD LABOUR	11219	I YEAR I SEMESTER	BA (EPP, HPML)
725.	INDIAN GOVERNMENT AND POLITICS	1319	II YEAR III SEMESTER	BA (EPP, HPML)
726.	EMANCIPATION OF WOMEN	A1119	II YEAR III SEMESTER	BA (EPP, HPML)





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727.	INDIAN GOVERNMENT AND POLITICS	1419	II YEAR IV SEMESTER	BA (EPP, HPML)
728.	CASTE SYSTEM IN INDIA	11219	II YEAR IV SEMESTER	BA (EPP, HPML)
729.	ANCIENT INDIA POLITICAL THOUGHT	1519	III YEAR V SEMESTER	BA (EPP, HPML)
730.	INTERNATIONAL RELATIONS	1519	III YEAR V SEMESTER	BA (EPP, HPML)
731.	REFORM MOVEMENTS IN INDIA	A1119	III YEAR V SEMESTER	BA (EPP, HPML)
732.	WESTERN POLITICAL THOUGHT	1619	III YEAR VI SEMESTER	BA (EPP, HPML)
733.	INTERNATIONAL RELATIONS	1119	III YEAR VI SEMESTER	BA (EPP, HPML)
734.	WOMEN'S STUDIES- AN INTRODUCTION	A1119	III YEAR VI SEMESTER	BA (EPP, HPML)
735.	INTRODUCTION TO PUBLIC ADMINISTRATION- I	1120	I YEAR I SEMESTER	BA (EPP)
736.	WOMEN STUDIES	A1120	I YEAR I SEMESTER	BA (EPP)
737.	INTRODUCTION TO PUBLIC ADMINISTRATION-II	1220	I YEAR II SEMESTER	BA (EPP)
738.	DISASTER MANAGEMENT	11220	I YEAR II SEMESTER	BA (EPP)
739.	PUBLIC ADMINISTRATION IN INDIA- I	1320	II YEAR III SEMESTER	BA (EPP)
740.	RURAL-URBAN ADMINISTRATION	A1320	II YEAR III SEMESTER	BA (EPP)
741.	PUBLIC ADMINISTRATION IN INDIA- II	1420	II YEAR IV SEMESTER	BA (EPP)
742.	PUBLIC RELATIONS	11420	II YEAR IV SEMESTER	BA (EPP)
743.	MANAGEMENT	1520	III YEAR V SEMESTER	BA (EPP)



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	OF RESOURCES			
744.	OFFICE MANAGEMENT	1620	III YEAR V SEMESTER	BA (EPP)
745.	SOCIAL MOVEMENT IN INDIA	A1520	III YEAR V SEMESTER	BA (EPP)
746.	MANAGEMENT OF RESOURCES	1520	III YEAR VI SEMESTER	BA (EPP)
747.	OFFICE MANAGEMENT	1620	III YEAR VI SEMESTER	BA (EPP)
748.	TELANGANA MOVEMENT	A1620	III YEAR VI SEMESTER	BA (EPP)
749.	TELUGU -I	SL0101	I YEAR I SEMESTER	BA, B.COM, BSC, BBA, BBM
750.	TELUGU -II	SL0201	I YEAR II SEMESTER	BA, B.COM, BSC, BBA, BBM
751.	TELUGU -III	SL0301	II YEAR III SEMESTER	BA, B.COM, BSC, BBA, BBM
752.	TELUGU -IV	SL0401	II YEAR IV SEMESTER	BA, B.COM, BSC, BBA, BBM
753.	URDU-I	SL0102	I YEAR I SEMESTER	BA, B.COM, BSC, BBA, BBM
754.	URDU-II	SL0202	I YEAR II SEMESTER	BA, B.COM, BSC, BBA, BBM
755.	URDU-III	SL0302	II YEAR III SEMESTER	BA, B.COM, BSC, BBA, BBM
756.	URDU-IV	SL0402	II YEAR IV SEMESTER	BA, B.COM, BSC, BBA, BBM
757.	ML URDU-I	1116	I YEAR I SEMESTER	BA (HPML)
758.	ML URDU-II	1216	I YEAR II SEMESTER	BA (HPML)
759.	ML URDU-III	1316	II YEAR III SEMESTER	BA (HPML)
760.	ML URDU-IV	1416	II YEAR IV SEMESTER	BA (HPML)
761.	ML URDU-V	1516	III YEAR V SEMESTER	BA (HPML)
762.	ML URDU-V	1516	III YEAR V SEMESTER	BA (HPML)
763.	ML URDU-VI	1616	III YEAR VI SEMESTER	BA (HPML)
764.	ML URDU-VI	1616	III YEAR VI SEMESTER	BA (HPML)
765.	ANIMAL DIVERSITY	6121	I YEAR I SEMESTER	BSC (NZC, BZC)





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	INVERTEBRATES			
766.	ANIMAL DIVERSITY INVERTEBRATES PR	6121P	I YEAR I SEMESTER	BSC (NZN, BZN)
767.	INSTRUMENTATION AND TECHNIQUES IN BIOLOGY	A6121	I YEAR I SEMESTER	BSC (NZN, BZN)
768.	ECOLOGY, ZOOGEOGRAPHY AND ANIMAL BEHAVIOUR	6221	I YEAR II SEMESTER	BSC (NZN, BZN)
769.	ECOLOGY, ZOOGEOGRAPHY AND ANIMAL BEHAVIOUR PR	6221P	1 YEAR II SEMESTER	BSC (NZN, BZN)
770.	HEALTH & WELLNESS	16221	1 YEAR II SEMESTER	BSC (NZN, BZN)
771.	BIOLOGY OF CHORDATES-I & EMBRYOLOGY	6321	II YEAR III SEMESTER	BSC (NZN, BZN)
772.	BIOLOGY OF CHORDATES-I & EMBRYOLOGY PR	6321P	II YEAR III SEMESTER	BSC (NZN, BZN)
773.	TROPICAL DISEASES AND ROLE OF VECTORS	A6321	II YEAR III SEMESTER	BSC (NZN, BZN)
774.	BIOLOGY OF CHORDATES-II ECOLOGY, EVOLUTION & ZOO- GEOGRAPHY	6421	II YEAR IV SEMESTER	BSC (NZN, BZN)
775.	BIOLOGY OF CHORDATES-II ECOLOGY, EVOLUTION & ZOO- GEOGRAPHY PR	6421P	II YEAR IV SEMESTER	BSC (NZN, BZN)
776.	PET CARE	16421	II YEAR IV SEMESTER	BSC (NZN, BZN)
777.	ANIMAL PHYSIOLOGY OF GENETICS & EVOLUTION	6521	III YEAR V SEMESTER	BSC (NZN, BZN)
778.	ANIMAL PHYSIOLOGY OF	6521P	III YEAR V SEMESTER	BSC (NZN, BZN)



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	GENETICS & EVOLUTION PR			
779.	AQUARIUM KEEPING	A6521	III YEAR V SEMESTER	BSC (N.ZC, B.ZC)
780.	APPLIED ZOOLOGY	6621	III YEAR VI SEMESTER	BSC (N.ZC, B.ZC)
781.	APPLIED ZOOLOGY PR	6621P	III YEAR VI SEMESTER	BSC (N.ZC, B.ZC)
782.	BIODIVERSITY CONSERVATION & ECOTOURISM	16621	III YEAR VI SEMESTER	BSC (N.ZC, B.ZC)

  
IQAC

COORDINATOR

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

  
PRINCIPAL

PRINCIPAL  
Anwarul Uloom College (Autonomous),  
New Malleshpally, 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 2017 - Onwards

Subject: Arabic semester I / II / III / IV

Semester	Course Paper	Code num.	Teaching hrs per week	Credits
I	<b>Paper I:</b> Classical prose, poetry, translation and History of Arabic Literature	0101	4hours	3
II	<b>Paper II:</b> Classical prose, poetry, translation and History of Arabic Literature	0201	4 hours	3
III	<b>Paper III :</b> Classical prose poetry, translation and History of Arabic Literature	0301	4 hours	3
IV	<b>Paper IV:</b> Classical prose poetry translation and History of Arabic Literature	0401	4 hours	3

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

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

**B.Sc.(Biotechnology, Micro-Biology & Chemistry)**

**Subject: Biotechnology**

Semester	Course/paper	Code No	Teaching Hours/week	No of credits.
I	Paper-I(Theory) Genetics.	6108	4hrs	3
	Paper-I(Prac.)	6108P	2hrs	1
	Add-on	A6108	2hrs	1
II	Paper- II)Theory NucliecAcids & Bioinformatics	6208	4hrs	3
	Paper-II (Prac.)	6208P	2hrs	1
	IDE	I6208	2hrs	1
III	PaperIII- (Theory) Biological Chemistry.	6308	4hrs	3
	Paper-III (Prac.)	6308P	2hrs	1
	Add-on	A6308	2hrs	1
IV	Paper- IV (Theory) Micro-Biology& Immunology	6408	4hrs	3
	Paper-IV (Prac.)	6408P	2hrs	1
	IDE	I6408	2hrs	1
V	Paper -V (Theory) rDNA Technology	6508	6hrs	4
	Paper-V(Prac.)	6508P	2hrs	2
	Add-on	A6508	2hrs	1
VI	Paper- VI (Theory) Applied Biotechnology	6608	6hrs	4
	Paper-VI(Prac.)	6608P	2hrs	2
	IDE	I6608	2hrs	1

*Adv in Biotech*

*Env. Biotech*

*H. Surekha Rani*  
**Dr. H. SUREKHA RANI**  
 Assistant Professor  
 Chairperson BOS Biotechnology  
 Department of Genetics & Biotechnology  
 Osmania University, Hyderabad-07.

*Ashwani*  
11/5

*Vallabha*  
11/5

*Onekal*  
*M. Hanumanth Kumar*

*GA*



**ANWARUL ULOOM COLLEGE**  
(AUTONOMOUS)  
**M.Sc. BIOTECHNOLOGY SYLLABUS (2017 – 2018)**  
**CHOICE BASED CREDIT SYSTEM (CBCS)**

**SEMESTER – I**

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

**SEMESTER – II**

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

T- Theory, P-Practical

*M. Ananth Kumar*  
*[Signature]*  
*[Signature]*  
*[Signature]*  
*[Signature]*

*[Signature]*  
**Dr. H. SUREKHA RANI**  
Assistant Professor  
Chairperson BOS Biotechnology  
Department of Genetics & Biotechnology  
Osmania University, Hyderabad-07.





**ANWARUL ULOOM COLLEGE  
(AUTONOMOUS)  
M.Sc. BIOTECHNOLOGY SYLLABUS (2017 – 2018)  
CHOICE BASED CREDIT SYSTEM (CBCS)**

**SEMESTER – III**

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

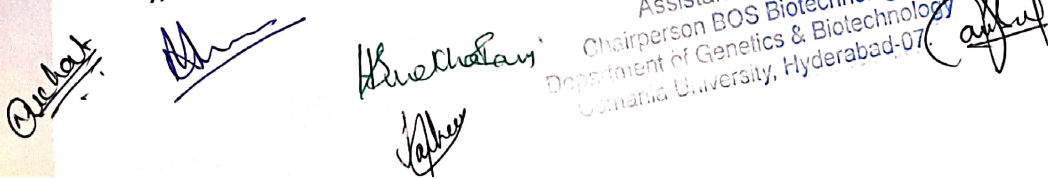
**SEMESTER – IV**

Syllabus Ref No	Subject	Credits	Teaching Hours	Marks		
				Internal Assessment	Semester Exam	Total
<b>THEORY</b>						
1. BT 401 T	BioprocessEngineering	4	4	20	80	100
2. BT 402 T	MedicalBiotechnology	4	4	20	80	100
3. BT 403 T	Elective: A.EnvironmentalBiotechnology B.Biopharmacology	4	4	20	80	100
4. BT 404 T	ProjectWork	4	4	20	80	100
<b>PRACTICALS</b>						
BT 451 P	BioprocessEngineering	2	4		50	50
BT 452 P	MedicalBiotechnology	2	4		50	50
BT 453 P	Elective: A.EnvironmentalBiotechnology B.Biopharmacology	2	4		50	50
BT 454 P	Projectthesispresentation	2	4		50	50
	<b>Total</b>	<b>24</b>	<b>32</b>	<b>80</b>	<b>520</b>	<b>600</b>
	<b>Grandtotal</b>					<b>2400</b>

T- Theory, P-Practical

**Dr. H. SUREKHA RANI**  
Assistant Professor

Chairperson BOS Biotechnology  
Department of Genetics & Biotechnology  
Osmania University, Hyderabad-07.





**Anwarul Uloom College**  
**B.Sc. Botany**

**SEMESTER-WISE SYLLABUS AND MARKS DISTRIBUTION**

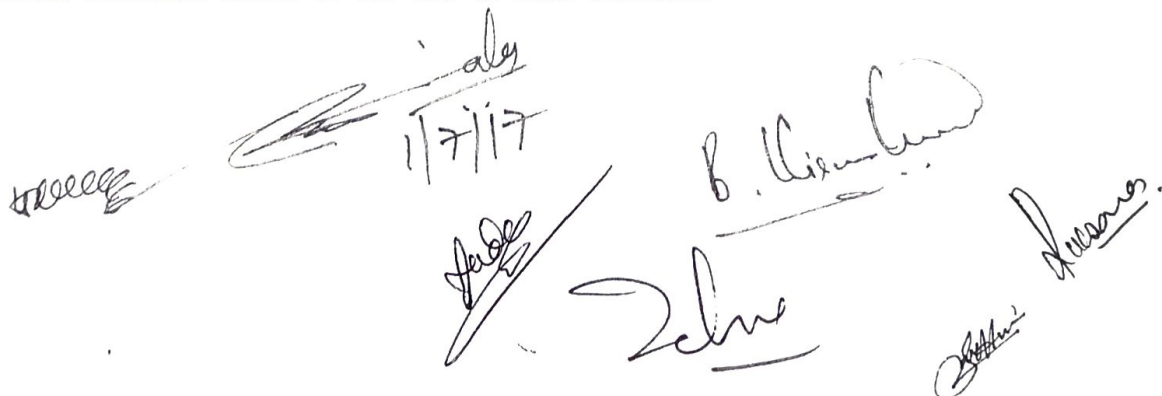
**THEORY:**

S.N O	Semester	Paper	Hours	Marks			credits
				Internal Evaluatio n	Semester Exams	Total	
1	I	Microbial Diversity of Lower Plants	4hrs	15	35	50	3
2	II	Bryophytes, Pteridophytes, Gymnosperms and Palaeobotany	4hrs	15	35	50	3
3	III	Taxonomy and Medicinal Botany	4hrs	15	35	50	3
4	IV	Plant Anatomy , Embryology & Palynology	4hrs	15	35	50	3
5	V	Cell Biology, Genetics, Ecology and Bio-diversity	6hrs	40	60	100	4
6	VI	Physiology, Tissue Culture, Bio-technology, Seed Technology and Horticulture.	6hrs	40	60	100	4

**PRACTICALS:**

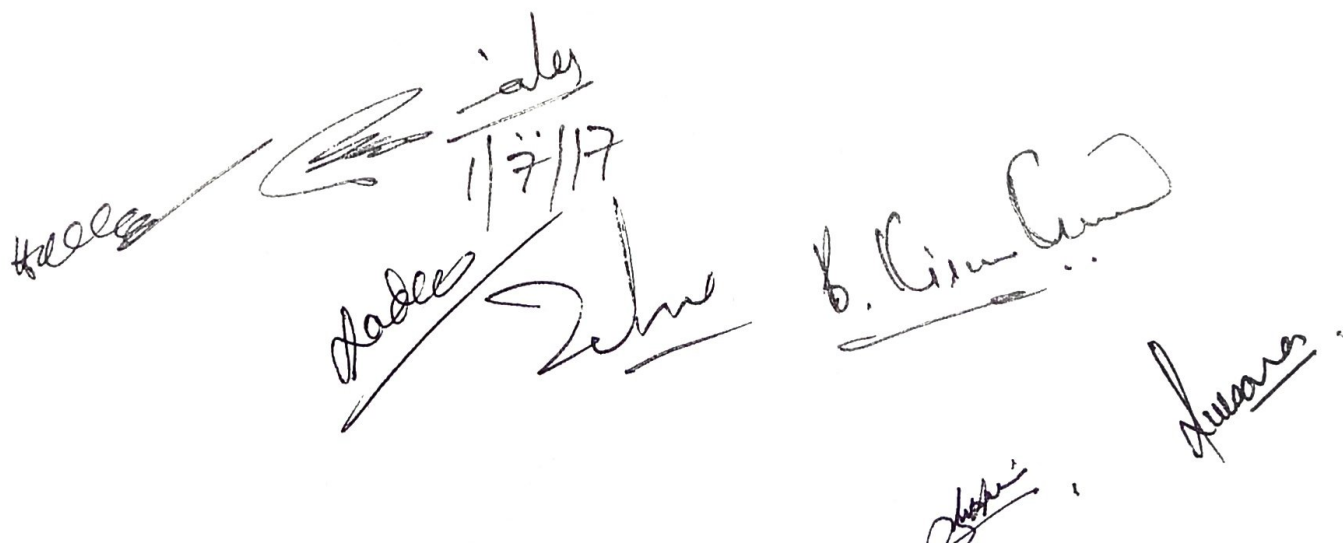
	Paper	hours	Marks	Credits
At the end of I - Sem & end of II - Sem.	Microbial Diversity of Lower Plants. Bryophytes, Pteridophytes, Gymnosperms and Palaeobotany.	4hrs	50	2
At the end of III Sem - & end of IV Sem.-	Taxonomy and Medicinal Botany Plant Anatomy , Embryology & Palynology	4hrs	50	2
At the end of V Sem.	Cell Biology, Genetics, Ecology and Bio-diversity	4hrs	50	2
At the end of VI Sem.	Physiology, Tissue Culture, Bio-technology, Seed Technology and Horticulture	4 hrs	50	2

**Note : CBCS Practical Exam at the end of each semester.**


  
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 B. K. ...  
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Botany UG Syllabus (I-VI) Semester

S.No	Semester	Course /Paper	Code No	Teaching Hrs	No. of Credits
1.	I	Paper-I Theory Microbial Diversity of lower plants .	6107	4 hrs	3
		Practical-Paper I: Microbial Diversity of lower plants.	6107-P	2hrs	1
		Add On : Mushroom Cultivation	A6107	2hrs	1
2.	II	Paper-II Theory Bryophytes, Pteridophytes, Gymnosperms and Paleobotany.	6207	4 hrs	3
		Practical-Paper II: Bryophytes, Pteridophytes, Gymnosperms and Paleobotany	6207-P	2hrs	1
		IDE: Landscape Designing	I6207	2hrs	1
3.	III	Paper-III Theory Taxonomy of Angiosperms and Medicinal Botany	6307	4hrs	3
		Practical-Paper III: Taxonomy & Medicinal Botany.	6307-P	2hrs	1
		Add On : BioFertilizers	A6307	2hrs	1
4.	IV	Paper-IV Theory Anatomy , Embryology and Palynology	6407	4hrs	3
		Practical-Paper IV: Anatomy , Embryology and Palynology.	6407-P	2hrs	1
		IDE: Forestry	I6407	2hrs	1


  
 11/7/17  
 B. C. ...  
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Anwarul Uloom College

Botany UG Syllabus (I-VI) Semester

S.No.	Semester	Course/ Paper	Code No.	Teaching Hrs	No.of Credits
5.	V	Paper-V Theory Cell Biology, Genetics, Ecology and Biodiversity	6507	6hrs	4
		Practical-Paper V: Cell Biology, Genetics, Ecology and Biodiversity	6507-P	4hrs	2
		Add On : E-waste management.	A6507	2hrs	1
6.	VI	Paper-VI Theory Plant Physiology, Tissue Culture, Biotechnology, Seed Technology and Horticulture	6607	6hrs	4
		Practical-Paper VI: Physiology, Tissue Culture, Biotechnology, Seed Technology and Horticulture	6607-P	4hrs	2
		IDE: Herbal Medicine.	16607	2hrs	1

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1/7/17

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Zehra

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B. Qureshi

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Anees

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Shahid

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

2017-18

Semester-I

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

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

Semester-I

Paper	Title	Theory Hrs/Week	Practical Hrs/Week	Max. Marks Theory
I	Phycology and Mycology	4	4 & 4 credits	80 External +20 Internal = 100
II	Bryophyta and Pteridophyta	4	4 & 4 credits	80+20=100
III	Taxonomy and Medicinal Botany	4	4 & 4 credits	80+20=100
IV	Plant BioChemistry	4	4 & 4 credits	80+20=100
V	Communicative English & Soft Skills (Add on Paper)	4	2 credits	40+10 Internal Asses.+50 Qs. based on concept

Semester-II

Paper	Title	Theory Hrs/Week	Practical Hrs/Week	Max. Marks Theory
I	Applied Phycology and Mycology	4	2 & 1 credit	100
II	Gymnosperms and Embryology	4	2 & 1 credit	100
III	Plant Anatomy and Palynology	4	2 & 1 credit	100
IV	Plant Physiology	4	2 & 1 credit	100
V	Human Values and Professional Ethics (Add on Paper)	2 credits.	-	40+10 Internal Asses.+50 Qs. Based on Concept.

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

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



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		


  
 A collection of handwritten signatures and initials in black ink, including a large signature 'Zehur', a signature 'Hafiz', and several other initials and names like 'Sumera', 'v/t', and 'OH'.



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		


  
 Several handwritten signatures and initials are present below the table. One signature appears to be 'Rudolf', another 'Zelus', and others are less legible. There are also some initials like 'H' and 'JH'.

**SEMESTER - IV**

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

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

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

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





The Course of Study and the Scheme of Examinations:

SEMESTER I

S No	Part	Study Components		PPW Hrs. T+P	Credit	Title of the Paper	Maximum Marks			
		Course Title					Exam Hrs.	IA	Sem. Exam	Total
1	I	Languages	Paper - I	4	3	H/U/T/A/P	2	20	30	50
2	I	English	Paper-I	5	3	English	2	20	30	50
3	II	Core Courses	1	5	3	Business Organization & Management	2	15	35	50
4	II	Core Course	2	5	3	Business Economics (Micro)	2	15	35	50
5	II	Core Course	3	6	4	Financial Accounting - I	2	15	35	50
6	II	Core Course	4	4+2	3	Information Technology	2	15	35	50
7	III	Elective Course (a) *	Paper-I Add On	2	1	Stress Management Choose any one (list provided by the College)	2	20	30	50
		<b>Total</b>			<b>20</b>					<b>350</b>

SEMESTER II

8	I	Languages	Paper - 2	4	3	H/U/T/A/P	2	20	30	50
9	I	English	Paper- 2	5	3	English	2	20	30	50
10	II	Core Courses	5	5	3	Organizational Behaviour	2	15	35	50
11	II	Core Course	6	6	4	Financial Accounting – II	2	15	35	50
12	II	Core Course	7	5	3	Business Economics (Macro)	2	15	35	50
13	II	Core Course	8	4+2	3	RDBMS	2	15 P	35	50
14	III	Elective Course (b) *	Paper-1 IDE	2	1	Personality Development	2	20	30	50
15	III	Elective Course (c) *	Paper-1 CVW	2	1	NCC/NSS/Sports (Certificate)	No Exam	--	--	Certificate
16	IV	Foundation Course(value Education) *	Paper-1 HVPE	2	1	Human Values & Professional Ethics	2	--	--	50
		<b>Total</b>			<b>22</b>					<b>400</b>

\*Part – III & IV Marks are Not considered for promotion & award of Division. However a pass in the course is compulsory.

HOD

CHAIRMAN



SEMESTER III

S No	Part	Study Components		PPW Hrs. T+P	Credit	Title of the Paper	Maximum Marks			
		Course Title					Exam Hrs.	IA	Sem. Exam	Total
17	I	Languages	Paper-3	4	3	H/U/T/A/P	2	20	30	50
18	I	English	Paper-3	5	3	English	2	20	30	50
19	II	Core Courses	9	5	3	Principles of Marketing	2	15	35	50
20	II	Core Courses	10	6	4	Advanced Accounting	2	15	35	50
21	II	Core Courses	11	5	3	Business Statistics – I	2	15	35	50
22	II	Core Courses	12	5	3	Direct Taxes	2	15	35	50
23	III	Elective Course (a) *	Paper-2 Add On	2	1	Recreation & Leisure Time Management	2	20	30	50
		<b>Total</b>			<b>20</b>					<b>350</b>

SEMESTER IV

24	I	Languages	Paper-4	4	3	H/U/T/A/P	2	20	30	50
25	I	English	Paper-4	5	3	English	2	20	30	50
26	II	Core Courses	13	6	4	Accounting for Management	2	15	35	50
27	II	Core Course	14	5	3	Business Statistics – II	2	15	35	50
28	II	Core Course	15	5	3	Banking & Insurance	2	15	35	50
29	II	Core Course	16	4T+2P	3	Accounting Packages	2	15 P	35	50
30	III	Elective Course (b) *	Paper- 2 IDE-	2	1	Creativity & Innovation Management	2	20	30	50
31	III	Elective Course (c) *	Paper-2 CVW-	2	1	NCC/NSS/Sports (Certificate)	No exam	--	--	Certif- icate
32	IV	Foundation Course(value Education) *	Paper-2 EVS	2	1	Environmental Sciences	2	--	--	50
		<b>Total</b>			<b>22</b>					<b>400</b>

\*Part – III & IV Marks are Not considered for promotion & award of Division. However a pass in the course is compulsory.

HOD

BOS IN BUSINESS ADMINISTRATION  
ANWARUL ULOOM COLLEGE  
AFFILIATED TO OSMANIYA UNIVERSITY  
HYDERABAD-500 001 (T.S)

CHAIRMAN

OSMANIYA UNIVERSITY  
HYDERABAD-500 001 (T.S)



SEMESTER V

S No	Part	Study Components		PPW Hrs. T+P	Credit	Title of the Paper	Maximum Marks			
		Course Title					Exam Hrs.	IA	Sem. Exam	Total
33	II	Core Course	Paper 17	5	3	Cost Accounting	2	15	35	50
34	II	Core course	Paper 18	5	3	Production & Operations Management	2	15	35	50
35	II	Core Course	Paper 19	5	3	E-Commerce	2	15 P	35	50
36	II	Core Course	Paper 20	5	3	Business Communications	2	15	35	50
37	II	Core Course	Paper 21	5	3	Human Resource Management	2	15	35	50
38	II	Core Course	Paper 22	5	3	Financial Statement Analysis	2	15	35	50
39	III	Elective Course(a) *	Paper-3 Add On	2	1	Business Ethics	2	20	30	50
					19					350
		<b>Total</b>								

SEMESTER VI


40	II	Core Course	Paper 23	5	3	Entrepreneurship Development	2	15	35	50
41	II	Core Course	Paper 24	5	3	Business Laws	2	15	35	50
42	II	Core Course	Paper 25	5	3	Industrial Relations Management	2	15	35	50
43	II	Core Course	Paper 26	5	3	Web Technologies	2	15 P	35	50
44	II	Core Course	Paper 27	5	3	Investment Management	2	15	35	50
45	II	Core Course	Paper 28	5	3	International Finance	2	15	35	50
46	III	Elective Course (b) *	Paper-3 IDE	2	1	Time Management	2	20	30	50
47	III	Elective Course (c) *	Paper-3 CVW	2	1	NCC/NSS/Sports (Certificate)	No Exam	--	--	Certificate
48	IV	Foundation Course(value Education) *	Paper-3 S&C	2	1	Science & Civilization	2	--	--	50
					21					400
		<b>Total</b>								

\*Part – III & IV Marks are Not considered for promotion & award of Division. However a pass in the course is compulsory.

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

**SUBJECT: CHEMISTRY**

Semester	Course / Paper	Code. No.	Teaching hrs/Week	No. of Credits
I	Paper-I (Theory)	6109	4 Hrs	3
	Paper-II (Practical's)	6109 P	2 Hrs	1
	Add-on: Fuel Chemistry	A6109	2 Hrs	1
II	Paper-II (Theory)	6209	4 Hrs	3
	Paper-II (Practical's)	6209 P	2 Hrs	1
	IDE: Water Technology	I6209	2 Hrs	1
III	Paper-I (Theory)	6309	4 Hrs	3
	Paper-II (Practical's)	6309P	2 Hrs	1
	Add on: Soaps & Detergents	A6309	2 Hrs	1
IV	Paper-IV (Theory)	6409	4 Hrs	3
	Paper-IV (Practical's)	6409P	2 Hrs	1
	IDE: Industrial Chemistry	I6409	2 Hrs	1
V	Paper - V (Theory) A	6509 A	6 Hrs	4
	<del>Paper - V (Theory) B</del> Paper - V (Practical's)	<del>6509 B</del> 6509 P	4 Hrs	2
VI	Paper - Vi (Theory)	6609 A	6 Hrs	4
	Paper - VI (Practical's)	6609 P	4 Hrs	2

  
**DEPARTMENT OF CHEMISTRY**  
 Anwar-ul-ulum College  
 New Mallepally, Hyderabad

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 2021-22  
 2021-22





# 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			
<b>M.Sc, I-Year, I-Semester (CBCS)</b>										
<b>Theory</b>										
	I	511	Inorganic Chemistry	4 Hrs	20	80	32	100	4	3 Hrs
	II	512	Organic Chemistry	4 Hrs	20	80	32	100	4	3 Hrs
	III	513	Physical Chemistry	4 Hrs	20	80	32	100	4	3 Hrs
	IV	514	Analytical Techniques and Spectroscopy-I	4 Hrs	20	80	32	100	4	3 Hrs
		116	IDE: Communicative English & Soft Skills	2 Hrs	10	40	20	-	2	3 Hrs
<b>Practicals</b>										
		515 P	Inorganic Chemistry	6 Hrs	-	75	38	75	3	3 Hrs
		516 P	Organic Chemistry	6 Hrs	-	75	38	75	3	3 Hrs
		517P	Physical Chemistry	6 Hrs	-	75	38	75	3	3 Hrs
			<b>Total</b>	<b>36 Hrs</b>				<b>625</b>	<b>25</b>	
<b>M.Sc. I-Year, II-Semester (CBCS)</b>										
<b>Theory</b>										
	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
<b>Practicals</b>										
		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
			<b>ToTal</b>	<b>36 Hrs</b>				<b>625</b>	<b>25</b>	

*[Signature]*  
Head of the Department

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*[Signature]*  
DEPARTMENT OF CHEMISTRY  
Anwarul-Uloom College  
New Mallepally, Hyderabad

# ANWARUL ULOOM COLLEGE (AUTONOMOUS)


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

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

S. No.	Paper No.	Code No.	Title	Hours /Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exams
						Max	Min			
<b>M.Sc. II- Year , III-Semester (CBCS)</b>										
<b>Theory</b>										
1	I	531	Synthetic Reagents, Advanced NMR, 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	<b>IDE : Bio-technology &amp; Health Care</b>	2 Hrs	10	40	20	50	2	2 Hrs
			<b>Seminar</b>	2 Hrs	-	25	-	25	1	2 Hrs
<b>Practicals</b>										
6		536 P	Synthesis of Organic Molecules, Isolation of Natural Products and TLC	6 Hrs	-	100	50	100	4	3 Hrs
7		537 P	Separation and identification of Organic Compounds and Column Chromatography	6 Hrs	-	100	50	100	4	3 Hrs
8			<b>Total</b>	<b>32 Hrs</b>				<b>625</b>	<b>25</b>	

Synthesis &  
 Analysis &  
 Design & Column  
 Chromatography

**Head of the Department**

  
 DEPARTMENT OF CHEMISTRY  
 Anwarul-Uloom College  
 New Mallepally, Hyderabad



# ANWARUL ULOOM COLLEGE (AUTONOMOUS)

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

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

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

project work

Head of the Department

*[Signature]*  
DEPARTMENT OF CHEMISTRY  
Anwarul-Uloom College  
New Mallepally, Hyderabad

**STRUCTURE OF B.COM.DEGREE COURSE w.e.f. ACADEMIC YEAR 2017-18**

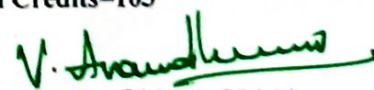
Sl. No.	FIRST YEAR SEMESTER-I				
	Code	Title of the Paper	PPW	PPW(T+P)	CREDITS
1	BCO101	Financial Accounting – I	6 Hrs	4+2	4
2	BCO102	Business Economics	4 Hrs	2+2	3
3	BCO103	Business Organization	4 Hrs	2 +2	3
4	BCO104	Information Technology	4T+2P Hrs	4+2	3
5	A105	Retail Management (Add On)	2 Hrs	2	1
	SEMESTER-II				
6	BCO201	Financial Accounting – II	6 Hrs	4+2	4
7	BCO202	Managerial Economics	6 Hrs	4+2	4
8	BCO203	Principles of Management	4 Hrs	2+2	3
9	BCO204	Foreign Trade	4 Hrs	2 +2	3
10	IDE 205	Elements of commerce	2 Hrs	2	1
11	CVW 206	NCC/NSS/Sports	2 Hrs	1	1
12	HVPE 207	Human Values & Professional Ethics	2 Hrs	1	1
	SECOND YEAR SEMESTER-III				
13	BCO301	Advanced Accounting	6 Hrs	4+2	4
14	BCO302	Business Statistics-I	5Hrs	3+2	3
15	BCO303	Income Tax-I	5 Hrs	3+2	3
16	BCC304	Entrepreneurial Development & Business Ethics	4 Hrs	2+2	3
17	A 305	Insurance Business (Add On)	2 Hrs	2	1
	SEMESTER-IV				
18	BCO401	Corporate Accounting	6 Hrs	4+2	4
19	BCO402	Business Statistics-II	5Hrs	3+2	3
20	BCO403	Income Tax-II	5Hrs	3+2	3
21	BCO404	Auditing	4 Hrs	3+2	3
22	IDE 405	Tourism Marketing	2 Hrs	2	1
23	CVW 406	NCC/NSS/Sports	2 Hrs	1	1
24	ES407	Environment Science	2 Hrs	1	1
	THIRD YEAR SEMESTER-V				
25	BCO501	Cost Accounting	6Hrs	4+2	4
26	BCO502	Business Law	5Hrs	3+2	3
27	BCO503	Banking Theory & Practice	4Hrs	2 +2	3
28	BCO504	Computerized Accounting	3T+2PHrs	3+2	3
29	BCO505	Financial Management	5 Hrs	3+2	3
30	BCO506	Principles of Marketing	5 Hrs	3+2	3
31	BCO507	E Banking	2 Hrs	2	1
	SEMESTER-VI				
32	BCO601	Managerial Accounting	6Hrs	3+2	4
33	BCO602	Company Law	5Hrs	3+2	3
34	BCO603	Financial Institutions & Markets	5Hrs	3+2	3
35	BCO604	Commerce Lab	4Hrs	2+2	3
36	BCC605	Human Resources Management	5 Hrs	3+2	3
37	BCC606	Tax Planning & Management	5 Hrs	3+2	3
38	IDE 607	Event Management	2 Hrs	2	1
39	CVW608	NCC/NSS/Sports	2 Hrs	1	1
40	S&C609	Science & Civilization	2 Hrs	1	1
	TOTAL		140+24=164 Hrs	82+58+24=164	103

Notation: T – Theory; P – Practical; R – Report; VV – Viva-Voce Examination, CL-Commerce Lab

Commerce Papers=140 Hrs; CBCS Pattern, Subjects=24 Hrs; Total=164 Hrs; Total Credits=103



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**STRUCTURE OF B.COM DEGREE COURSE w.e.f. ACADEMIC YEAR 2017-'18**

**FIRST YEAR  
SEMESTER-I**

Code	Title of the Paper	PPW	Exam Duration	Max. Marks
BCO101	Financial Accounting – I	6 Hrs	2 Hrs	50
BCO102	Business Economics	4 Hrs	2 Hrs	50
BCO103	Business Organization	4 Hrs	2 Hrs	50
BCO104	Information Technology	4T+2P Hrs	2 Hrs	35T+15P

**SEMESTER-II**

BCO201	Financial Accounting – II	6 Hrs	2 Hrs	50
BCO202	Managerial Economics	6 Hrs	2 Hrs	50
BCO203	Principles of Management	4 Hrs	2 Hrs	50
BCO204	Foreign Trade	4 Hrs	2 Hrs	50

**SECOND YEAR  
SEMESTER-III**

BCO301	Advanced Accounting	6 Hrs	2 Hrs	50
BCO302	Business Statistics-I	5Hrs	2 Hrs	50
BCO303	Income Tax-I	5 Hrs	2 Hrs	50
BCO304	Entrepreneurial Development & Business Ethics	4 Hrs	2 Hrs	50

**SEMESTER-IV**

BCO401	Corporate Accounting	6 Hrs	2 Hrs	50
BCO402	Business Statistics-II	5Hrs	2 Hrs	50
BCO403	Income Tax-II	5Hrs	2 Hrs	50
BCO404	Auditing	4 Hrs	2 Hrs	50

**THIRD YEAR  
SEMESTER-V**

BCO501	Cost Accounting	6Hrs	2 Hrs	50
BCO502	Business Law	5Hrs	2 Hrs	50
BCO503	Banking Theory & Practice	4Hrs	2 Hrs	50
BCO504	Computerized Accounting	3T+2PHrs	2 Hrs	35T+15P
BCO505	Financial Management	5 Hrs	2 Hrs	50
BCO506	Principles of Marketing	5 Hrs	2 Hrs	50

**SEMESTER-VI**

BCO601	Managerial Accounting	6Hrs	2 Hrs	50
BCO602	Company Law	5Hrs	2 Hrs	50
BCO603	Financial Institutions & Markets	5Hrs	2 Hrs	50
BCO604	Commerce Lab	4Hrs	-	35R+15VV
BCO605	Human Resources Management	5 Hrs	2 Hrs	50
BCO606	Tax Planning & Management	5 Hrs	2 Hrs	50
	Total	140Hrs	54 Hrs	1400

Notation: T – Theory; P – Practical; R – Report; VV – Viva-Voce Examination.

*Vijaya Govind*

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*V. Anand Kumar*

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STRUCTURE OF B.COM (Computer Application) DEGREE COURSE

<b>FIRST YEAR</b>				
<b>SEMESTER-I</b>				
<b>Code</b>	<b>Title of the Paper</b>	<b>PPW</b>	<b>PPW(T+P)</b>	<b>CREDITS</b>
BCO101	Financial Accounting – I	6 Hrs	4+2	4
BCO102	Business Economics	4 Hrs	2+2	3
BCO103	Business Organization	4 Hrs	2 +2	3
BCO104	Information Technology	4T+2P Hrs	4+2	3
A105	Retail Management (Add On)	2 Hrs	2	1
<b>SEMESTER-II</b>				
BCO201	Financial Accounting – II	6 Hrs	4+2	4
BCO202	Managerial Economics	6 Hrs	4+2	4
BCO203	Principles of Management	4 Hrs	2+2	3
BCO204	Foreign Trade	4 Hrs	2 +2	3
IDE 205	Elements of commerce	2 Hrs	2	1
CVW 206	NCC/NSS/Sports	2 Hrs	1	1
HVPE 207	Human Values & Professional Ethics	2 Hrs	1	1
<b>SECOND YEAR</b>				
<b>SEMESTER-III</b>				
BCO301	Advanced Accounting	6 Hrs	4+2	4
BCO302	Business Statistics-I	5Hrs	3+2	3
BCO303	Income Tax-I	5 Hrs	3+2	3
BCC304	Programming with C	2T + 2P Hrs	2+2	3
A 305	Insurance Business (Add On)	2 Hrs	2	1
<b>SEMESTER-IV</b>				
BCO401	Corporate Accounting	6 Hrs	4+2	4
BCO402	Business Statistics-II	5Hrs	3+2	3
BCO403	Income Tax-II	5Hrs	3+2	3
BCO404	Auditing	4 Hrs	3+2	3
IDE 405	Tourism Marketing	2 Hrs	2	1
CVW 406	NCC/NSS/Sports	2 Hrs	1	1
ES407	Environment Science	2 Hrs	1	1
<b>THIRD YEAR</b>				
<b>SEMESTER-V</b>				
BCO501	Cost Accounting	6Hrs	4+2	4
BCO502	Business Law	5Hrs	3+2	3
BCO503	Banking Theory & Practice	4Hrs	2 +2	3
BCO504	Computerized Accounting	3T+2PHrs	3+2	3
BCC/E505	E-Commerce	3T + 2P Hrs	3+2	3
BCC506	Objective Oriented Programming with C++	3T + 2P Hrs	3+2	3
BCO507	E Banking	2 Hrs	2	1
<b>SEMESTER-VI</b>				
BCO601	Managerial Accounting	6Hrs	3+2	4
BCO602	Company Law	5Hrs	3+2	3
BCO603	Financial Institutions & Markets	5Hrs	3+2	3
BCO604	Commerce Lab	4Hrs	2+2	3
BCC605	Web Technologies	3T + 2P Hrs	3+2	3
BCC606	Relational Database Management Systems	3T + 2P Hrs	3+2	3
IDE 607	Event Management	2 Hrs	2	1
CVW608	NCC/NSS/Sports	2 Hrs	1	1
S&C 609	Science & Civilization	2 Hrs	1	1
	<b>TOTAL</b>	<b>164Hrs</b>	<b>84+56+24=164</b>	<b>103</b>

Notation: T – Theory; P – Practical; R – Report; VV – Viva-Voce Examination.

*Vijaya Govind*

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*V. Anandaram*  
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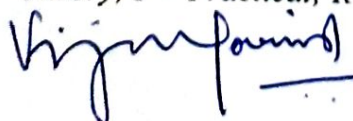
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**STRUCTURE OF B.COM (Computer Application) DEGREE COURSE**  
w.e.f. ACADEMIC YEAR 2017-'18

<b>FIRST YEAR</b>				
<b>SEMESTER-I</b>				
<i>Code</i>	<i>Title of the Paper</i>	<i>PPW</i>	<i>Exam Duration</i>	<i>Max. Marks</i>
BCO101	Financial Accounting – I	6 Hrs	2 Hrs	50
BCO102	Business Economics	4 Hrs	2 Hrs	50
BCO103	Business Organization	4 Hrs	2 Hrs	50
BCO104	Information Technology	4T+2P Hrs	2 Hrs	35T+15P
<b>SEMESTER-II</b>				
BCO201	Financial Accounting – II	6 Hrs	2 Hrs	50
BCO202	Managerial Economics	6 Hrs	2 Hrs	50
BCO203	Principles of Management	4 Hrs	2 Hrs	50
BCO204	Foreign Trade	4 Hrs	2 Hrs	50
<b>SECOND YEAR</b>				
<b>SEMESTER-III</b>				
BCO301	Advanced Accounting	6 Hrs	2 Hrs	50
BCO302	Business Statistics-I	5Hrs	2 Hrs	50
BCO303	Income Tax-I	5 Hrs	2 Hrs	50
BCC304	Programming with C	2T + 2P Hrs	2 Hrs	35T + 15P
<b>SEMESTER-IV</b>				
BCO401	Corporate Accounting	6 Hrs	2 Hrs	50
BCO402	Business Statistics-II	5Hrs	2 Hrs	50
BCO403	Income Tax-II	5Hrs	2 Hrs	50
BCO404	Auditing	4 Hrs	2 Hrs	50
<b>THIRD YEAR</b>				
<b>SEMESTER-V</b>				
BCO501	Cost Accounting	6Hrs	2 Hrs	50
BCO502	Business Law	5Hrs	2 Hrs	50
BCO503	Banking Theory & Practice	4Hrs	2 Hrs	50
BCO504	Computerized Accounting	3T+2PHrs	2 Hrs	35T+15P
BCC/E505	E-Commerce	3T + 2P Hrs	2 Hrs	35T+15P
BCC506	Objective Oriented Programming with C++	3T + 2P Hrs	2 Hrs	35T+15P
<b>SEMESTER-VI</b>				
BCO601	Managerial Accounting	6Hrs	2 Hrs	50
BCO602	Company Law	5Hrs	2 Hrs	50
BCO603	Financial Institutions & Markets	5Hrs	2 Hrs	50
BCO604	Commerce Lab	4Hrs	-	35R+15VV
BCC605	Web Technologies	3T + 2P Hrs	2 Hrs	35T+15P
BCC606	Relational Database Management Systems	3T + 2P Hrs	2 Hrs	35T+15P
	<b>TOTAL</b>	<b>140Hrs</b>	<b>54 Hrs</b>	<b>1400</b>

Notation: T – Theory; P – Practical; R – Report; VV – Viva-Voce Examination.



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**STRUCTURE OF B.Com (E-COMMERCE) DEGREE COURSE**

Sl. No.	<b>FIRST YEAR SEMESTER-I</b>				
	Code	Title of the Paper	PPW	PPW(T+P)	CREDITS
1	BCO101	Financial Accounting – I	6 Hrs	4+2	4
2	BCO102	Business Economics	4 Hrs	2+2	3
3	BCO103	Business Organization	4 Hrs	2 +2	3
4	BCO104	Information Technology	4T+2P Hrs	4+2	3
5	A105	Retail Management (Add On)	2 Hrs	2	1
<b>SEMESTER-II</b>					
6	BCO201	Financial Accounting – II	6 Hrs	4+2	4
7	BCO202	Managerial Economics	6 Hrs	4+2	4
8	BCO203	Principles of Management	4 Hrs	2+2	3
9	BCO204	Foreign Trade	4 Hrs	2 +2	3
10	IDE 205	Elements of commerce	2 Hrs	2	1
11	CVW 206	NCC/NSS/Sports	2 Hrs	1	1
12	HVPE 207	Human Values & Professional Ethics	2 Hrs	1	1
<b>SECOND YEAR SEMESTER-III</b>					
13	BCO301	Advanced Accounting	6 Hrs	4+2	4
14	BCO302	Business Statistics-I	5Hrs	3+2	3
15	BCO303	Income Tax-I	5 Hrs	3+2	3
16	BCC304	Web Technologies	4 Hrs	2+2	3
17	A 305	Insurance Business (Add On)	2 Hrs	2	1
<b>SEMESTER-IV</b>					
18	BCO401	Corporate Accounting	6 Hrs	4+2	4
19	BCO402	Business Statistics-II	5Hrs	3+2	3
20	BCO403	Income Tax-II	5Hrs	3+2	3
21	BCO404	Auditing	4 Hrs	3+2	3
22	IDE 405	Tourism Marketing	2 Hrs	2	1
23	CVW 406	NCC/NSS/Sports	2 Hrs	1	1
24	ES407	Environmental Science	2 Hrs	1	1
<b>THIRD YEAR SEMESTER-V</b>					
25	BCO501	Cost Accounting	6Hrs	4+2	4
26	BCO502	Business Law	5Hrs	3+2	3
27	BCO503	Banking Theory & Practice	4Hrs	2 +2	3
28	BCO504	Computerized Accounting	3T+2PHrs	3+2	3
29	BCC/E505	E-Commerce	3T+2P Hrs	3+2	3
30	BCC506	Principles of Marketing	5 Hrs	3+2	3
31	BCO507	E Banking	2 Hrs	2	1
<b>SEMESTER-VI</b>					
32	BCO601	Managerial Accounting	6Hrs	3+2	4
33	BCO602	Company Law	5Hrs	3+2	3
34	BCO603	Financial Institutions & Markets	5Hrs	3+2	3
35	BCO604	Commerce Lab	4Hrs	2+2	3
36	BCC605	Supply Chain Management Logistics	5 Hrs	3+2	3
37	BCC606	Retail Marketing	5 Hrs	3+2	3
38	IDE 607	Event Management	2 Hrs	2	1
39	CVW608	NCC/NSS/Sports	2 Hrs	1	1
40	S&C609	Science & Civilization	2 Hrs	1	1
		<b>TOTAL</b>	164 Hrs	84+56+24=164	103

Notation: T – Theory; P – Practical; R – Report; VV – Viva-Voce Examination.

*Signature of Dr. A. Vijaya Govind*

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*Signature of V. Anand Kumar*

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**STRUCTURE OF B.COM (E-COMMERCE) DEGREE COURSE**  
w.e.f. ACADEMIC YEAR 2017-18

**FIRST YEAR**  
**SEMESTER-I**

Code	Title of the Paper	PPW	Exam Duration	Max. Marks
BCO101	Financial Accounting – I	6 Hrs	2 Hrs	50
BCO102	Business Economics	4 Hrs	2 Hrs	50
BCO103	Business Organization	4 Hrs	2 Hrs	50
BCO104	Information Technology	4T+2P Hrs	2 Hrs	35T+15P

**SEMESTER-II**

BCO201	Financial Accounting – II	6 Hrs	2 Hrs	50
BCO202	Managerial Economics	6 Hrs	2 Hrs	50
BCO203	Principles of Management	4 Hrs	2 Hrs	50
BCO204	Foreign Trade	4 Hrs	2 Hrs	50

**SECOND YEAR**

**SEMESTER-III**

BCO301	Advanced Accounting	6 Hrs	2 Hrs	50
BCO302	Business Statistics-I	5Hrs	2 Hrs	50
BCO303	Income Tax-I	5 Hrs	2 Hrs	50
BCE304	Web Technologies	2T+2P Hrs	2 Hrs	35T+15P

**SEMESTER-IV**

BCO401	Corporate Accounting	6 Hrs	2 Hrs	50
BCO402	Business Statistics-II	5Hrs	2 Hrs	50
BCO403	Income Tax-II	5Hrs	2 Hrs	50
BCO404	Auditing	4 Hrs	2 Hrs	50

**THIRD YEAR**

**SEMESTER-V**

BCO501	Cost Accounting	6Hrs	2 Hrs	50
BCO502	Business Law	5Hrs	2 Hrs	50
BCO503	Banking Theory & Practice	4Hrs	2 Hrs	50
BCO504	Computerized Accounting	3T+2PHrs	2 Hrs	35T+15P
BCC/E505	E-Commerce	3T+2PHrs	2 Hrs	35T+15P
BCO/E506	Principles of Marketing	5 Hrs	2 Hrs	50

**SEMESTER-VI**

BCO601	Managerial Accounting	6Hrs	2 Hrs	50
BCO602	Company Law	5Hrs	2 Hrs	50
BCO603	Financial Institutions & Markets	5Hrs	2 Hrs	50
BCO604	Commerce Lab	4Hrs	-	35R+15VV
BCE605	Supply Chain Management Logistics	5 Hrs	2 Hrs	50
BCE606	Retail Marketing	5 Hrs	2 Hrs	50
	<b>TOTAL</b>	<b>140Hrs</b>	<b>54 Hrs</b>	<b>1400</b>

Notation: T – Theory; P – Practical; R – Report; VV – Viva-Voce Examination

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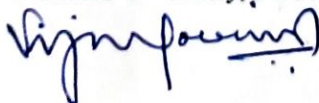
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STRUCTURE OF B.COM (HONOURS) DEGREE COURSE

Code	Title of the Paper	PPW	CREDITS
BCO101	Financial Accounting – I	6 Hrs	4
BCO102	Business Economics	4 Hrs	3
BCO103	Business Organization	4 Hrs	3
BCO104	Information Technology	4T+2P Hrs	3
BCH105	Principles of Marketing	5Hrs	3
A 105	Retail Management	2 Hrs	1
BCO201	Financial Accounting – II	6 Hrs	4
BCO202	Managerial Economics	6 Hrs	4
BCO203	Principles of Management	4 Hrs	3
BCO204	Foreign Trade	4 Hrs	3
BCH 205	Relational Database Management System	3T+2PHrs	3
IDE206	Elements of Commerce	2Hrs	1
CVW 207	NCC/NSS/Sports	2 Hrs	1
HVPE	Human Values & Professional Ethics	2 Hrs	1
BCO301	Advanced Accounting	6 Hrs	4
BCO302	Business Statistics-I	5Hrs	3
BCO303	Income Tax-I	5 Hrs	3
BCC304	Entrepreneurial Development & Business Ethics	4 Hrs	3
BCH305	Marketing Management	5Hrs	3
BCH306	Human Resources Management	5 Hrs	3
BCH307	Financial Statement Analysis	5 Hrs	3
A-308	Insurance Business	2Hrs	1
BCO401	Corporate Accounting	6 Hrs	4
BCO402	Business Statistics-II	5Hrs	3
BCO403	Income Tax-II	5Hrs	3
BCO404	Auditing	4 Hrs	3
BCH405	Business Mathematics	5 Hrs	3
BCH406	E Commerce & Digital Marketing	3T+2P Hrs	3
BCH407	Management Information System	5 Hrs	3
IDE 408	Tourism Marketing	2 Hrs	1
CVW 409	NCC/NSS/Sports	2 Hrs	1
EV410	Environment Science	2 Hrs	1
BCO501	Cost Accounting	6Hrs	4
BCO502	Business Law	5Hrs	3
BCO503	Banking Theory & Practice	4Hrs	3
BCO504	Computerized Accounting	3T+2PHrs	3
BCA/H505	Financial Management	5	3
BCF/506	Financial Services	5Hrs	3
BCH/507	Research Methodology	5Hrs	3
A-508	E-Banking	2 Hrs	1
BCO601	Managerial Accounting	6Hrs	4
BCO602	Company Law	5Hrs	3
BCO603	Financial Institutions & Markets	5Hrs	3
BCO604	Commerce Lab	4Hrs	3
BCF/H605	Investment Management	5 Hrs	3
BCF/H606	International Finance	5 Hrs	3
BCH607	Project Report	5 Hrs	3
IDE 608	Event Management	2 Hrs	1
CVW609	NCC/NSS/Sports	2 Hrs	1
S&C 610	Science & Civilization	2 Hrs	1
	<b>TOTAL</b>	<b>214Hrs</b>	<b>133</b>

Notation: T – Theory; P – Practical; R – Report; VV – Viva-Voce Examination



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**STRUCTURE OF B.COM (Honours) DEGREE COURSE**  
w.e.f. ACADEMIC YEAR 2017-'18

<b>FIRST YEAR: SEMESTER-I</b>				
<i>Code</i>	<i>Title of the Paper</i>	<i>PPW</i>	<i>Exam</i>	<i>Marks</i>
BCO101	Financial Accounting-I	6 Hrs	2 Hrs	50
BCO102	Business Economics	4 Hrs	2 Hrs	50
BCO103	Business Organization	4 Hrs	2 Hrs	50
BCO104	Information Technology	4T+2P Hrs	2 Hrs	35T+15P
BCH105	Principles of Marketing	5 Hrs	2 Hrs	50
<b>SEMESTER-II</b>				
BCO201	Financial Accounting-II	6 Hrs	2 Hrs	50
BCO202	Managerial Economics	6 Hrs	2 Hrs	50
BCO203	Principles of Management	4 Hrs	2 Hrs	50
BCO204	Foreign Trade	4 Hrs	2 Hrs	50
BCH205	Relational Database Management Systems	3T+2P Hrs	2 Hrs	35T+15P
<b>SECOND YEAR: SEMESTER-III</b>				
BCO301	Advanced Accounting	6 Hrs	2 Hrs	50
BCO302	Business Statistics-I	5 Hrs	2 Hrs	50
BCO303	Income Tax-I	5 Hrs	2 Hrs	50
BCO304	Entrepreneurial Development & Business Ethics	4 Hrs	2 Hrs	50
BCH305	Marketing Management	5Hrs	2 Hrs	50
BCH306	Human Resources Management	5 Hrs	2 Hrs	50
BCH307	Financial Statements Analysis	5 Hrs	2 Hrs	50
<b>SEMESTER-IV</b>				
BCO401	Corporate Accounting	6 Hrs	2 Hrs	50
BCO402	Business Statistics-II	5 Hrs	2 Hrs	50
BCO403	Income Tax-II	5 Hrs	2 Hrs	50
BCO404	Auditing	4 Hrs	2 Hrs	50
BCH405	Business Mathematics	5 Hrs	2 Hrs	50
BCH406	E Commerce & Digital Marketing	3T+2P Hrs	2 Hrs	35T+15P
BCH407	Management Information System	5 Hrs	2 Hrs	50
<b>THIRD YEAR: SEMESTER-V</b>				
BCO501	Cost Accounting	6 Hrs	2 Hrs	50
BCO502	Business Law	5 Hrs	2 Hrs	50
BCO503	Banking Theory & Practice	4 Hrs	2 Hrs	50
BCO504	Computerized Accounting	3T+2P Hrs	2 Hrs	35T+15P
BCA/H505	Financial Management	5 Hrs	2 Hrs	50
BCF/H506	Financial Services	5 Hrs	2 Hrs	50
BCH507	Research Methodology	5 Hrs	2 Hrs	50
<b>SEMESTER-VI</b>				
BCO601	Managerial Accounting	6 Hrs	2 Hrs	50
BCO602	Company Law	5 Hrs	2 Hrs	50
BCO603	Financial Institutions & Markets	5 Hrs	2 Hrs	50
BCO604	Commerce Lab	4 Hrs	2 Hrs	35R+15VV
BCF/H605	Investment Management	5 Hrs	2 Hrs	50
BCF/H606	International Finance	5 Hrs	2 Hrs	50
BCH607	Project Report	5 Hrs	2 Hrs	35R+15VV
	<b>TOTAL</b>	<b>190Hrs</b>	<b>76 Hrs</b>	<b>1900</b>

Notation: T – Theory; P – Practical; R, – Report; VV – Viva-Voce Examination

*Vijaya Govind*

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**Dr. A. VIJAYA GOVIND**  
HOD, COMMERCE  
Anwarul Uloom College (Autonomous)  
HYDERABAD, T.S.

*V. Anandharam*  
**CHAIRMAN**  
Board of Studies in Commerce  
Osmania University  
Hyderabad - 500 007 (A.P.)



The course of Study and the Scheme of Examinations:  
SEMESTER-V

S No	Part	Study Components Course Title		PPW Hrs T+P	Credit	Title of the Paper	Maximum Marks			
							Exam Hrs	IA	Sem Exam	Total
33	II	Core Course	Paper-17	6	4	Cost Accounting	2	15	35	50
34	II	Core Course	Paper-18	5	3	Business Law	2	15	35	50
35	II	Core Course	Paper-19	4	3	Banking Theory & Practice	2	15	35	50
36	II	Core Course	Paper-20	3T+2P Hrs	3	Computerized Accounting	2	15	35	50
37	II	Core Course	Paper-21	5	3	Financial Management	2	15	35	50
38	II	Core Course	Paper-22	5	3	Principles of Marketing	2	15	35	50
39	III	Elective course(a)*	Paper-3	2	1	E-Banking	2	15	35	50
		<b>Total</b>			<b>20</b>					<b>350</b>

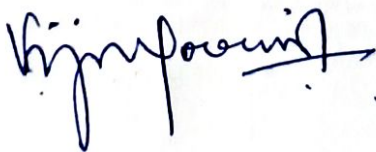
SEMESTER VI

40	II	Core course	Paper - 23	6	4	Managerial Accounting	2	15	35	50
41	II	Core course	Paper- 24	5	3	Company Law	2	15	35	50
42	II	Core course	Paper - 25	5	3	Financial Institutions & Markets	2	15	35	50
43	II	Core course	Paper- 26	4	3	Commerce Lab	2	15V	35R	50
44	II	Core course	Paper- 27	5	3	Human Resources Management	2	15	35	50
45	II	Core course	Paper- 28	5	3	Tax Planning & Management	2	15	35	50
46	III	Elective course(b)*ID	Paper- 3	2	1	Event Management	2	15	35	50
47	III	Elective course(c)*	Paper- 3	2	1	NCC/NSS/Sports	No Exam	-	-	Certificate
48	III	Foundation* Course	Paper- 3	2	1	Science & Civilization	2	-	-	50
		<b>Total</b>			<b>22</b>					<b>400</b>

\*Part III & IV: Marks Are Not Considered For Promotion & Award of Division. However a Pass in these courses is Compulsory to obtain a Degree

Note: 36; 15 Marks are awarded for Practical is as follows: Record = 5; Viva voce=5; Execution = 5

43; Commerce Lab has 15 marks for viva Voce & 35 for Record and there is no examination; V= Viva Voce R= Record



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CHAIRMAN

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**Dr. A. VIJAYA GOVIND**  
HOD COMMERCE  
Anwarul Bloom College (Autonomous)  
HYDERABAD, T.S.



**B.Com (Comp Appl)**  
**The course of Study and the Scheme of Examinations:**  
**SEMESTER-V**

S No	Part	Study Components Course Title		PPW Hrs T+P	Credit	Title of the Paper	Maximum Marks			
							Exam Hrs	IA	Sem Exam	Total
33	II	Core Course	Paper-17	6	4	Cost Accounting	2	15	35	50
34	II	Core Course	Paper-18	5	3	Business Law	2	15	35	50
35	II	Core Course	Paper-19	4	3	Banking Theory & Practice	2	15	35	50
36	II	Core Course	Paper-20	3T+2P Hrs	3	Computerized Accounting	2	15	35	50
37	II	Core Course	Paper-21	3T+2P	3	E-Commerce	2	15	35	50
38	II	Core Course	Paper-22	3T+2P	3	Objective Oriented Programming with c++	2	15	35	50
39	III(a)	Elective course	Paper-3	2	1	Elective Course: E-Banking(Add-On)	2	15	35	50
		<b>Total</b>			<b>20</b>					<b>350</b>

**SEMESTER VI**

40	II	Core course	Paper - 23	6	4	Managerial Accounting	2	15	35	50
41	II	Core course	Paper- 24	5	3	Company Law	2	15	35	50
42	II	Core course	Paper - 25	5	3	Financial Institutions & Markets	2	15	35	50
43	II	Core course	Paper- 26	4	3	Commerce Lab	2	15V	35R	50
44	II	Core course	Paper- 27	5	3	Web Technologies	2	15	35	50
45	II	Core course	Paper- 28	5	3	R.D.B.M.S	2	15	35	50
46	III	Elective course(b)*ID	Paper- 3	2	1	Elective course: Event Management	2	15	35	50
47	III	Elective course(c)*	Paper- 3	2	1	Elective Course: NCC/NSS/Sports	No Exam	-	-	Certificate
48	III	Foundation* Course	Paper- 3	2	1	Foundation Course: Science & Civilization	2	-	-	50
		<b>Total</b>			<b>22</b>					<b>400</b>

\*Part III & IV: Marks Are Not Considered For Promotion & Award of Division. However a Pass in these courses is Compulsory to obtain a Degree

Note: 36; 15 Marks are awarded for Practical is as follows: Record = 5; Viva voce=5; Execution = 5

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*Vijaya Govind*

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*V. Anandharam*

**Dr. A. VIJAYA GOVIND**  
HOD, COMMERCE

**CHAIRMAN**  
Board of Studies in Commerce  
Osmania University  
Hyderabad - 500 007 (A.P.)

Anwarul Uloom College (Autonomous)  
HYDERABAD, T.S.



**B.Com (E-Com)**  
**The course of Study and the Scheme of Examinations:**  
**SEMESTER-V**

S No	Part	Study Components Course Title		PPW Hrs T+P	Credit	Title of the Paper	Maximum Marks			
							Exam Hrs	IA	Sem Exam	Total
33	II	Core Course	Paper-17	6	4	Cost Accounting	2	15	35	50
34	II	Core Course	Paper-18	5	3	Business Law	2	15	35	50
35	II	Core Course	Paper-19	4	3	Banking Theory & Practice	2	15	35	50
36	II	Core Course	Paper-20	3T+2P	3	Computerized Accounting	2	15	35	50
37	II	Core Course	Paper-21	3T+2P	3	E-Commerce	2	15	35	50
38	II	Core Course	Paper-22	5	3	Principles of Marketing	2	15	35	50
39	III(a)	Elective course	Paper-3	2	1	Elective Course: E-Banking	2	15	35	50
		<b>Total</b>			<b>20</b>					<b>350</b>

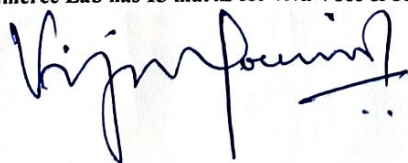
**SEMESTER VI**

40	II	Core course	Paper - 23	6	4	Managerial Accounting	2	15	35	50
41	II	Core course	Paper- 24	5	3	Company Law	2	15	35	50
42	II	Core course	Paper - 25	5	3	Financial Institutions & Markets	2	15	35	50
43	II	Core course	Paper- 26	4	3	Commerce Lab	2	15V	35R	50
44	II	Core course	Paper- 27	5	3	Web Technologies	2	15	35	50
45	II	Core course	Paper- 28	5	3	R.D.B.M.S	2	15	35	50
46	III	Elective course(b)*ID	Paper- 3	2	1	Elective course: Event Management	2	15	35	50
47	III	Elective course(c)*	Paper- 3	2	1	Elective Course: NCC/NSS/Sports	No Exam	-	-	Certificate
48	IV	Foundation* Course	Paper- 3	2	1	Foundation Course: Science & Civilization	2	-	-	50
		<b>Total</b>			<b>22</b>					<b>400</b>

\*Part III & IV: Marks Are Not Considered For Promotion & Award of Division. However a Pass in these courses is Compulsory to obtain a Degree

Note: 36; 15 Marks are awarded for Practical is as follows: Record = 5; Viva voce=5; Execution = 5

43; Commerce Lab has 15 marks for viva Voce & 35 for Record and there is no examination; V= Viva Voce R= Record

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**Dr. A. VIJAYA GOVIND**  
HOD COMMERCE  
Anwarul Uloom College (Autonomous)  
HYDERABAD, T.S.



**CHAIRMAN**  
Board of Studies in Commerce  
Osmania University  
Hyderabad - 500 007 (A.P.)



**B.Com (Hons)**  
**The course of Study and the Scheme of Examinations:**  
**SEMESTER-V**

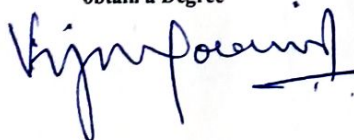
S No	Part	Study Components		PPW Hrs T+P	Credit	Title of the Paper	Maximum Marks			
							Exam Hrs	IA	Sem Exam	Total
37	II	Core Course	Paper-25	6	4	Cost Accounting	2	15	35	50
38	II	Core Course	Paper-26	5	3	Business Law	2	15	35	50
39	II	Core Course	Paper-27	4	3	Banking Theory & Practice	2	15	35	50
40	II	Core Course	Paper-28	4	3	Computerized Accounting	2	15	35	50
41	II	Core Course	Paper-29	5	3	Financial Management	2	15	35	50
42	II	Core Course	Paper-30	5	3	Financial Services	2	15	35	50
43	II	Core Course	Paper-31	5	3	Research Methodology	2	15	35	50
44	III	Elective course (a)	Paper-3	2	1	Elective Course: E-Banking	2	15	35	50
		<b>Total</b>			<b>23</b>					<b>400</b>

**SEMESTER VI**

45	II	Core course	Paper - 32	6	4	Managerial Accounting	2	15	35	50
46	II	Core course	Paper- 33	5	3	Company Law	2	15	35	50
47	II	Core course	Paper - 34	5	3	Financial Institutions & Markets	2	15	35	50
48	II	Core course	Paper- 35	4	3	Commerce Lab	No Exam	15 viva	35 PR	50
49	II	Core course	Paper- 36	5	3	Investment Management	2	15	35	50
50	II	Core course	Paper- 37	5	3	International Finance	2	15	35	50
51	II	Core Course	Paper - 38	5	3	Project Report	2	15P	35R	50
52	III	Elective course(b)	Paper- 3	2	1	Elective course: Event Management	2	15	S35	50
53	III	Elective course(c)	Paper- 3	2	1	Elective Course: NCC/NSS/Sports	No Exam	-	-	Certificate
48	IV	Foundation Course	Paper- 3	2	1	Foundation Course: Science & Civilization	2	-	-	50
		<b>Total</b>			<b>25</b>					<b>450</b>

\*Part III & IV: Marks Are Not Considered For Promotion & Award of Division. However a Pass in these courses is Compulsory to obtain a Degree

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**Dr. A. VIJAYA GOVIND**  
HOD COMMERCE  
Aravali Uloom College (Autonomous)  
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**CHAIRMAN**  
Board of Studies in Commerce  
Osmania University  
Hyderabad - 500 007 (A.P.)



DEPARTMENT OF COMMERCE, A.U.C.  
M.Com. Course Structure (CBCS)

FIRST SEMESTER						Marks			
Sl.No.	Code	Title of the Paper	THPW	Credits	DESE	IA	ASSIGNMENT	END-SEM.EXAM	TOTAL
1	Com 1: Core-I	Managerial Economics	5	4	3 Hrs	15	5	80	100
2	Com 2: Core-II	Principles of Marketing	5	4	3 Hrs	15	5	80	100
3	Com 3: Core-III	OT & OB	5	4	3 Hrs	15	5	80	100
4	Com 4: Elective-I	Financial Management	5	5	3 Hrs	15	5	80	100
5	Com 5: Elective-II	Accounting Standards	5	5	3 Hrs	15	5	80	100
	Seminar		2	1	-	-	-	25*	25
	<b>Total</b>		<b>27</b>	<b>23</b>		<b>75</b>	<b>25</b>	<b>425</b>	<b>525</b>
*25=15W+10PR									

SECOND SEMESTER						Marks			
Sl.No.	Code	Title of the Paper	THPW	Credits	DESE	IA	ASSIGNMENT	END-SEM.EXAM	TOTAL
6	Com 6: Core-I	Business Environment & Policy	5	4	3 Hrs	15	5	80	100
7	Com 7: Core-II	Marketing Management	5	4	3 Hrs	15	5	80	100
8	Com 8: Core-III	Human Resource Management	5	4	3 Hrs	15	5	80	100
9	Com 9: Elective-I	Investment Management	5	5	3 Hrs	15	5	80	100
10	Com 10: Elective-II	Advanced Managerial Accounting	5	5	3 Hrs	15	5	80	100
	Seminar		2	1	-	-	-	25*	25
	<b>Total</b>		<b>27</b>	<b>23</b>		<b>75</b>	<b>25</b>	<b>425</b>	<b>525</b>
*25=15W+10PR									

THIRD SEMESTER						Marks			
Sl.No.	Code	Title of the Paper	THPW	Credits	DESE	IA	ASSIGNMENT	END-SEM.EXAM	TOTAL
11	Com 11: Core-I	Research Methodology & Statistical Analysis	5	4	3 Hrs	15	5	80	100
12	Com 12: Core-II	E-Commerce	5 (4T+2P)	4	3 Hrs	15 IA	35 LPE	50	100
13	Com 13: Core-III	Cost Accounting and Control	5	4	3 Hrs	15	5	80	100
14	Com 14: Elective-I	International Financial Management	5	5	3 Hrs	15	5	80	100
15	Com 15: Elective-II	Security Analysis & Portfolio Management	5	5	3 Hrs	15	5	80	100
16	ID Paper	Business Organisation & Management	4	4	3 Hrs	15	5	80	100
	Seminar		2	1	-	-	-	25*	25
	<b>Total</b>		<b>31</b>	<b>23</b>		<b>90</b>	<b>60</b>	<b>475</b>	<b>625</b>
*25=15W+10PR									

FOURTH SEMESTER						Marks			
Sl.No.	Code	Title of the Paper	THPW	Credits	DESE	IA	ASSIGNMENT	END-SEM.EXAM	TOTAL
17	Com 16: Core-I	Quantitative Techniques For Business Decisions	5	4	3 Hrs	15	5	80	100
18	Com 17: Core-II	Business and Corporate Taxation	5 (4T+2P)	4	3 Hrs	15	5	80	100
19	Com 18: Core-III	Strategic Management	5	4	3 Hrs	15	5	80	100
20	Com 19: Elective-I	Financial Services	5	5	3 Hrs	15	5	80	100
21	Com 20: Elective-II	Financial Derivatives	5	5	3 Hrs	15	5	80	100
22	Com 21	Project Work	8	4	-	-	-	50 VV+50D	100
	Seminar		2	1	-	-	-	25*	25
	<b>Total</b>		<b>35</b>	<b>27</b>		<b>75</b>	<b>25</b>	<b>525</b>	<b>625</b>
*25=15W+10PR									

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

THPW= Teaching Hours Per Week; ESED=End-Semester Examination Duration; VV=Viva-Voce; LPE = Lab Practical Examinations; D=Dissertation; T=Theory; P=Practical; W=Write-up; PR=Presentation; DESE = Duration of End-Semester Examination.

V. Anwarul Uloom  
26/07/2017  
CHAIRMAN  
Board of Studies in Commerce  
Osmania University  
Hyderabad - 500 007 (A.P.)

*[Signature]*



Sl.No.	Specialization	Semester-I	Semester-II	Semester-III	Semester-IV
I	Finance (F)	(1) FM: Financial Management	(3) IM: Investment Management	(5) IFM: International Financial Management	(7) FS: Financial Services
		(2) AS: Accounting Standards	(4) AMA: Advanced Managerial Accounting	(6) SAPM: Security Analysis and Portfolio Management	(8) FD: Financial Derivatives
II	Accounting (A)	(1) FM: Financial Management	(3) IM: Investment Management	(5) ACA: Advanced Corporate Accounting	(7) ACAC: Advanced Cost Accounting and Control
		(2) AS: Accounting Standards	(4) AMA: Advanced Managerial Accounting	(6) FSA: Financial Statement Analysis	(8) M&A: Mergers & Acquisitions
III	Marketing (M)	(1) RM: Retail Marketing	(3) CRE: Consumer Rights & Education	(5) SM: Services Marketing	(7) SCM&CRM: Supply Chain Management
		(2) ASM: Advertising & Sales Management	(4) MR: Marketing Research	(6) CB: Consumer Behavior	& Customer Relationship Management
					(8) IM: International Marketing
IV	Taxation (T)	(1) FM: Financial Management	(3) IM: Investment Management	(5) DT: Direct Taxation	(7) Tax : Tax Planning
		(2) AS: Accounting Standards	(4) AMA: Advanced Managerial Accounting	(6) IDT: Indirect Taxation	(8) IT: International Taxation
V	International Business (IB)	(1) FM: Financial Management	(3) IM: Investment Management	(5) IFM: International Financial Management	(7) IBE: International Business Environment
		(2) AS: Accounting Standards	(4) AMA: Advanced Managerial Accounting	(6) ITTP: International Trade – Theory and Practice	(8) IM: International Marketing
VI	Insurance (I)	(1) FM: Financial Management	(3) IM: Investment Management	(5) PPLHI: Principles and Practice of Life and Health Insurance	(7) AS: Actuarial; Science
		(2) AS: Accounting Standards	(4) AMA: Advanced Managerial Accounting	(6) PPGI: Principles and Practice of General Insurance	(8) RP: Retirement Planning
VII	Banking (B)	(1) FM: Financial Management	(3) IM: Investment Management	(5) EB&FS: E-Banking and Financial Services	(7) IB: International Banking
		(2) AS: Accounting Standards	(4) AMA: Advanced Managerial Accounting	(6) BT: Banking Technology	(8) CB: Central Banking
VIII	E-Commerce (E-Com)	(1) RM: Retail Marketing	(3) CRE: Consumer Rights & Education	(5) NCS: Netiquettes and Cyber Security	(7) BME: Business Models for E-Commerce
		(2) ASM: Advertising & Sales Management	(4) MR: Marketing Research	(6) NIPS: Network Infrastructure and Payment System	(8) LSOIE: Legal Security in E-Commerce
IX	Computer Applications (CA)	(1) FM: Financial Management	(3) DCN: Data Communications and Networks	(5) RDBMS: Relational Data Base Management Systems	(7) AE: Advanced Excel
		(2) AS: Accounting Standards	(4) OOP: Object Oriented Programming with C++	(6) CL: Cyber Laws	(8) WD: Web Designing
			The allotment of THP 4T +2P; IA=15; LPE=35; EE=50;		

V. Anwarul Uloom  
26/07/2017  
**CHAIRMAN**  
Board of Studies in Commerce  
Osmania University  
Hyderabad - 500 007 (A.P.)

  
**Dr. A. VIJAYA GOVIND**  
HOD COMMERCE  
Anwarul Uloom College (Autonomous)  
HYDERABAD, T.S.

## ANWAR UL ULOOM COLLEGE

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

### DEPARTMENT OF COMPUTER SCIENCE

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

Class	Semester	Course/Paper	Code No	Teaching Hours Per week	No of Credits
B.Sc. First Year (w.e.f. 2015-16)	I	Paper - I (Theory) <b>Programming in C</b>	6110	4 hrs	3
		Paper - I (C-LAB) <b>Add-on</b>	6110P	2 hrs	1
		<b>Introduction to Internet</b>	A6110	2 hrs	1
	II	Paper - II (Theory) <b>Programming in C++</b>	6210	4 hrs	3
		Paper -II (C++-LAB) <b>IDE</b>	6210P	2 hrs	1
		<b>Fundamentals of Computing</b>	I6210	2 hrs	1
B.Sc. Second Year (w.e.f. 2016-17)	III	Paper -III (Theory) <b>OOP Through Java</b>	6310	4 hrs	3
		Paper -III (Java-LAB) <b>Add-on</b>	6310P	2 hrs	1
		<b>M-Commerce</b>	A6310	2hrs	1
	IV	Paper -IV (Theory) <b>Data Structure</b>	6410	4 hrs	3
		Paper -V(DS- LAB) <b>IDE</b>	6410P	2 hrs	1
		<b>Basics Of Programming</b>	I6410	2 hrs	1
B.Sc. Third Year (w.e.f. 2017-18)	V	Paper -V (Theory) <b>Database Management System</b>	6510	6 hrs	6
		Paper -IV(DBMS-LAB) <b>Add-on</b>	6510P	4 hrs	2
		<b>Software Engineering</b>	A6510	2 hrs	1
	VI	Paper -VI (Theory) <b>Web Technologies</b>	6610	6 hrs	6
		Paper -VI (Web-LAB) <b>IDE</b>	6610P	4 hrs	2
		<b>Basic Web Designing</b>	I6610	2 hrs	1

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

CHAIRMAN  
Board of Studies in Computer Science  
Dept. of Mathematics  
Osmania University, Hyd





# ANWAR UL ULOOM COLLEGE (AUTONOMOUS)

(Affiliated to Osmania University), Mallepally, Hyderabad.

## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

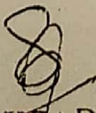
B.Sc. (Computer Science & Engineering) Programme

AS PER THE CHOICE BASED CREDIT SYSTEM & EFFECTIVE FROM THE ACADEMIC YEAR 2015-16

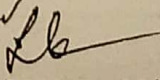
### B.Sc. (CSE) FIRST YEAR

Class	Semester	Course/Paper	Code No	Teaching Hours Per week	No of Credits	
B.Sc.(CSE) First Year	I	1.English - I	0106	5 hrs	5 ✓	
		2.Mathematics-I	7141	4hrs	4	
		3.ECM	7142	4hrs	4	
		4.ECM-LAB	7142P	2hrs	1	
		5.IIT	7143	4hrs	4	
		6. IIT-LAB	7143P	2hrs	1	
		7.Prog. in C	7144	3hrs	3	
		8.Prog in C-LAB	7144P	2hrs	1	
		<b>Add-On</b>				
	9.Introduction to Internet	A7145	2hrs	1		
	II	<u>PART I (LANGUAGES)</u>				
		1.English - II	0206	5 hrs	5	
		<u>PART II (OPTIONALS)</u>				
		2.Mathematics-II	7246	4hrs	4	
		3.Physics	7247	4hrs	4	
		4.Physics-LAB	7247P	2 hrs	1	
		5.EDC	7248	4hrs	4	
		6.EDC-LAB	7248P	2 hrs	1	
7.Prog. in UNIX		7249	4hrs	4		
8.Prog. in UNIX-LAB		7249P	2hrs	1		
<u>PART III (IDE/NCC/NSS/SPORTS)</u>						
<b>IDE</b>						
9.Fundamentals of Computing (FOC)	17250	2hrs	1			
<b>Certified voluntary work / NCC/NSS/Sports</b>				1		
<b>Part IV</b>				1		
<b>Human Values and Professional ethics</b>						

Note: From 2017-18 onwards 1 hour 1 credit  
(First year onwards)

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

  
CHAIRMAN

Board of Studies in CSE  
Dept. of Computer Science & Engg.  
University College of Engineering





# ANWAR UL ULOOM COLLEGE (AUTONOMOUS)

(Affiliated to Osmania University), Mallepally, Hyderabad.

## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

B.Sc. (Computer Science & Engineering) Programme

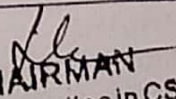
AS PER THE CHOICE BASED CREDIT SYSTEM & EFFECTIVE FROM THE ACADEMIC YEAR 2016-17

### B.Sc. (CSE) SECOND YEAR

Class	Semester	Course/Paper	Code No	Teaching Hours Per week	No of Credits	
B.Sc.(CSE) Second Year	I	<u>Part I(Languages)</u>	0306	4 hrs	3	
		1. English – III	7351	4hrs	3	
		<u>PartII(Core)</u>	7352	4hrs	3	
		2. Mathematics-III	7352P	2hrs	1	
		3. DLD	7353	4hrs	3	
		4 .DLD-LAB	7353P	2hrs	1	
		5. OS	7354	3hrs	3	
		6. OS-LAB	7354P	2hrs	1	
		7. OOP- C++				
	8. OOP- C++-LAB					
	<u>PartIII[Add-On {Choose one}]</u>					
	9. M-Commerce	A7355	2hrs	1		
	II	<u>PART I (LANGUAGES)</u>				
		1.English - IV	0406	4 hrs	3	
		<u>PART II (OPTIONALS)</u>				
		2. Probability & Stat.	7456	4hrs	3	
		3. Data Structures	7457	4hrs	3	
		4. Data Structures-LAB	7457P	2 hrs	1	
5. MP8086 & Interfacing		7458	4hrs	3		
6. MP8086 - LAB		7458P	2 hrs	1		
7. Prog. in Java		7459	4hrs	3		
8. Prog. in Java-LAB		7459P	2hrs	1		
<u>PART III (IDE/NCC/NSS/SPORTS)</u>						
<u>IDE</u>						
9.Basics of Programming	I7460	2hrs	1			
<u>Certified voluntary work / NCC/NSS/Sports</u>				1		
				1		
<u>Part IV</u>						
<u>Human Values and Professional ethics</u>						

  
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Mallepally, Hyderabad.



ANWAR UL ULOOM COLLEGE (AUTONOMOUS) AS PER CHOICE BASED CREDIT SYSTEM (CBCS)  
WITH EFFECTIVE FROM THE ACADEMIC YEAR 2015-16



## ANWAR UL ULOOM COLLEGE (AUTONOMOUS)

(Affiliated to Osmania University), Mallepally, Hyderabad.

### DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

B.Sc. (Computer Science & Engineering) Programme

AS PER THE CHOICE BASED CREDIT SYSTEM & EFFECTIVE FROM THE ACADEMIC YEAR 2016-17

#### B.Sc. (CSE) SECOND YEAR

Class	Semester	Course/Paper	Code No	Teaching Hours Per week	No of Credits	
B.Sc.(CSE) Second Year	I	<u>Part I(Languages)</u>	0306	4 hrs	3	
		1. English – III	7351	4hrs	3	
		<u>PartII(Core)</u>	7352	4hrs	3	
		2. Mathematics-III	7352P	2hrs	1	
		3. DLD	7353	4hrs	3	
		4 .DLD-LAB	7353P	2hrs	1	
		5. OS	7354	3hrs	3	
		6. OS-LAB	7354P	2hrs	1	
		7. OOP- C++				
	8. OOP- C++-LAB					
	<u>PartIII Add-On {Choose one}}</u>					
	9. M-Commerce	A7355	2hrs	1		
	II	<u>PART I (LANGUAGES)</u>		0406	4 hrs	3
		1.English - IV				
		<u>PART II (OPTIONALS)</u>		7456	4hrs	3
		2. Probability & Stat.		7457	4hrs	3
		3. Data Structures		7457P	2 hrs	1
		4. Data Structures-LAB		7458	4hrs	3
		5. MP8086 & Interfacing		7458P	2 hrs	1
6. MP8086 - LAB			7459	4hrs	3	
7. Prog. in Java			7459P	2hrs	1	
8. Prog. in Java-LAB						
<u>PART III (IDE/NCC/NSS/SPORTS)</u>						
<u>IDE</u>		I7460	2hrs	1		
9.Basics of Programming						
<b>Certified voluntary work / NCC/NSS/Sports</b>				1		
<u>Part IV</u>				1		
<b>Human Values and Professional ethics</b>						

*[Signature]*  
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*[Signature]*  
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ANWAR UL ULOOM COLLEGE (AUTONOMOUS) AS PER CHOICE BASED CREDIT SYSTEM (CBCS)  
WITH EFFECTIVE FROM THE ACADEMIC YEAR 2015-16



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### DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

**B.Sc. (Computer Science & Engineering) Programme**

AS PER THE CHOICE BASED CREDIT SYSTEM & EFFECTIVE FROM THE ACADEMIC YEAR 2017-18

### B.Sc. (CSE) THIRD YEAR

Class	Semester	Course/Paper	Code No	Teaching Hours Per week	No of Credits	
B.Sc.(CSE) Third Year	I	<b>PartII(Core)</b>		6 hrs	6	
		1. Comp.Net	7561	6 hrs	6	
		2. Compiler Construction.	7562	6 hrs	6	
		3. Embedded.System	7563	4 hrs	2	
		4. Embedded Sys- Lab	7563P	6 hrs	6	
		5. MDBMS	7564	4 hrs	2	
		6. MDBMS-Lab	7564P			
	<b>PartIII(Add-On{Choose one})</b>	A7565	4 hrs	1		
	7. Software Engineering					
	II	<b>PART II(Core)</b>				
		1. Network Security	7666	6 hrs	6	
		2. Web Programming	7667	6 hrs	6	
		3. Web Prog-Lab	7667P	4 hrs	2	
		4. CSP	7668	6hrs	6	
5. CSP-Lab		7668P	4 hrs	2		
6. Project & Seminar		7669	6 hrS	6		
<b>PART III(IDE {Choose one})</b>						
7. Basic Web Designing	I7670	4 hrs	1			
<b>Certified voluntary work / NCC/NSS/Sports</b>				1		
<b>Part IV</b>				1		
<b>Science and Civilization</b>						

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

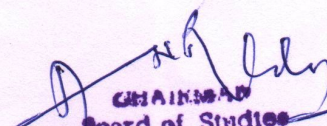
SEMESTER – Ist & IInd

(2017-18)

COURSE STRUCTURE

CHOICE BASED CREDIT SYSTEM PATTERN

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

  
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B.A. (ECONOMICS) IInd year

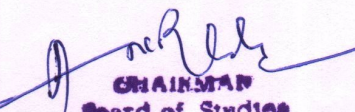
SEMESTER – IIIrd & IVth

(2017-18)

COURSE STRUCTURE

CHOICE BASED CREDIT SYSTEM PATTERN

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

  
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Department of Economics  
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New Mallepally, Hyderabad – 500 001, Telangana, India

**B.A. (Economics) III<sup>rd</sup> Years  
Semester – V<sup>th</sup> & VI<sup>th</sup>**

**Course Structure**

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

**Scheme of Examination**

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

**Semester – V**

V (A)	Indian Economy	5 Hours	4	15	35
V (B)	Public Finance	5 Hours	4	15	35

**Add-On** 20 —

	Industrial Economics	2 Hours	1	15	35
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**Semester – VI**

VI (A)	Indian Economy	5 Hours	4	15	35
V (B)	Public Finance & International Economics	5 Hours	4	15	35

**IDE Course**

	Financial Economics	2 Hours	1	15	35
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Note: one hr of teaching is equal to one credit.

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**(Affiliated to Osmania University,.)**  
**Department Of Economics**  
**M.A.(Economics) Course Structure**  
**(Choice Based Credit System)**  
**(2017– 2018)**

**MASTER STRUCTURE**

**SEMESTER – I**

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

Seminar

2

1

Pl. See the Corrections.

  
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**Department of Economics**  
**Osmania University Hyd.**



## SEMESTER – II

Paper Code	Name Of The Paper	Scheme Of Instructions (Hours Per Week)	Credits	Scheme Of Examination		
				Internal Assessment Marks	Semester Exam Marks	Total
201	Micro Economics Analysis-II	5	5	20	80	100
202	Macro Economics Analysis -II	5	5	20	80	100
203	Quantitative Methods- II	5	5	20	80	100
204	Agricultural Economics-II Or Computer Applications-II	5 (hr)	5 (hr)	20	80	100
205	Economics Of Social Sector-II Or Financial economics –II	5 (hr)	5 (hr)	20	80	100
	<b>TOTAL</b>	25	25	100	400	500
	<b>Add On Course</b>					
206	Human Values & Profession Ethics	30 Hrs .Per Paper	2		50	50

Seminar

2 1

25

20

Pl. See the corrections.

**Notation:**

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

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

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

(2017– 2018)

**MASTER STRUCTURE**

**SEMESTER – III**

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

Seminar 2 1

Pl. See the corrections

*(Signature)*

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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 (de)	5 (de)	20	80	100
405	Economics Of Insurance Or Telangana Economy	5 (de)	5 (de)	20	80	100
	<b>TOTAL</b>	25	25	100	400	500
	<b>IDE Course</b>					
406	Indian Economy And Development	30 Hrs .Per Paper	2		50	50

Semester 2 1

P1. See the corrections.

  
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Osmania University, Hyd-01

### Notation:

### IA-Internal Assessment ; SEM- Semester

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

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

**B.Sc. (Maths, Electronics & Computers)**

**SUBJECT :Electronics**

Semester	Course/Paper	Code No	Teaching Hours Per week	Total Marks	No of Credits
I	Paper - I (Theory) Circuit Analysis	6112	4 hrs	50	3/4
	Paper - I (Practicals)	6112P	2 hrs	25	1
II	Industrial electronics Add-on	A6112	2 hrs	50	1
	Paper - II (Theory) Electronic Devices	6212	4 hrs	50	3/4
II	Paper - II (Practicals)	6212P	2 hrs	25	1
	IDE Fundamentals of Electronics	16212	2 hrs	50	1
III	Paper - I II (Theory) Power Supplies	6312	4 hrs	50	3/4
	& Analog Circuits Paper - III (Pract.)	6312P	2 hrs	25	1
III	Add-on Digital signal processing	A6312	2hrs	50	1
	Paper - IV (Theory) Application of Operational Amplifiers & Communication Paper - IV (Pract.)	6412	4 hrs	50	3/4
IV	IDE MODERN COMMUNICATION SYSTEM	16412	2 hrs	50	1
	6412P	6412P	2 hrs	25	1
V	Paper - V (Theory) Digital electronics & Microprocessor-Intel 8085 Paper - V (Pract.)	6512	6 hrs	100	4
	6512P	6512P	4 hrs	50	2
V	Add-on PIC & ATMEL Microcontrollers	A6512	2 hrs	50	1
	Paper - VI (Theory) Fundamentals of Embedded Systems & Microcontroller- 8051	6612	6 hrs	100	4
VI	Paper - VI (Practicals)	6612P	4 hrs	50	2
	IDE Microprocessor & Microcontroller	16612	2 hrs	50	1

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Osmania University, Hyd.

Head of the Dept of Electronics  
Amrta-Uloom College, Malleshwari  
Hyderabad.

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3/4

3/4

3/4



STRUCTURE OF B.Sc(Electronics) DEGREE COURSE

S No	Code	Title of the Paper	C.T	PPW Hrs	Exam Duration Hrs	Max. Marks	Credits
FIRST YEAR - SEMESTER-I							
1	B.Sc 101	Circuit Analysis	CC-1	4Hrs	2	50	3
2	B.Sc 102	Mathematics-I	CC-2	4Hrs	2	50	3
3	B.Sc 103	Computer Science-I/Physics-I	CC-3	4Hrs	2	50	3
4	B.Sc 104	Electronic Practical-I	PR-1	2P Hrs	2	25P	1
5	B.Sc 105	Mathematics Practical-I	PR-2	2P Hrs	2	25P	1
6	B.Sc 106	Computer Science/Physics Practical-I	PR-3	2P Hrs	2	25P	1
7	A-Add on	Elective Courses-Industrial Electronics	EC-1	2Hrs	2	50	1
FIRST YEAR - SEMESTER-II							
8	B.Sc 201	Electronic Devices & Circuits	CC-4	4 Hrs	2	50	3
9	B.Sc 202	Mathematics- II	CC-5	4 Hrs	2	50	3
10	B.Sc 203	Computer Science/Physics -II	CC-6	4Hrs	2	50	3
11	B.Sc 204	Electronic Practical-II	PR-4	2P Hrs	2	25P	1
12	B.Sc 205	Mathematics Practical-II	PR-5	2P Hrs	2	25P	1
13	B.Sc 206	Computer Science/Physics Practical-II	PR-6	2P Hrs	2	25P	1
14	IDE	Elective Courses -Fundamentals of Electronics	EC-1	2Hrs	2	50	1
15	Cw	NCC/NSS/Sports-Certified voluntary work	EC-1	2hrs	No Exam	Certificate	1
16	HVPE	Human Values & Professional Ethics	EC-1	2Hrs	2	50	1
SECOND YEAR - SEMESTER-III							
17	B.Sc 301	Power Supplies & Analog Circuits	CC-7	4Hrs	2	50	3
18	B.Sc 302	Mathematics- III	CC-8	4 Hrs	2	50	3
19	B.Sc 303	Computer Science/Physics -III	CC-9	4Hrs	2	50	3
20	B.Sc 304	Electronic Practical-III	PR-7	2PHrs	2	25P	1
21	B.Sc 305	Mathematics Practical-III	PR-8	2PHrs	2	25P	1
22	B.Sc 306	Computer Science/Physics Practical-III	PR-9	2PHrs	2	25P	1
23	Add on	Elective Courses-Digital signal Processing	EC-2	2 Hrs	2	50	1
SECOND YEAR - SEMESTER-IV							
24	B.Sc 401	Application of Operational Amplifiers& Communications	CC-10	4Hrs	2	50	3
25	B.Sc 402	Mathematics-IV	CC-11	4Hrs	2	50	3
26	B.Sc 403	Computer Science/Physics -IV	CC-12	4Hrs	2	50	3
27	B.Sc 404	Electronic Practical-IV	PR-10	2PHrs	2	25P	1
28	B.Sc 405	Mathematics Practical-IV	PR-11	2PHrs	2	25P	1
29	B.Sc 406	Computer Science/Physics Practical-IV	PR-12	2PHrs	2	25P	1
30	IDE	Elective Courses-Modern Communication Systems	EC-2	2Hrs	2	50	1
31	CW	NCC/ NSS/ SPORTS	EC-2	2Hrs	No exam	Certificate	1
32	EVS-	Environmental Science	EC-2	2Hrs	2	50	1
THIRD YEAR - SEMESTER-V							
33	B.Sc 501	Digital Electronics & Microprocessor	CC-13	6 Hrs	3	100	4
34	B.Sc 502	Mathematics-V	CC-14	6 Hrs	3	100	4
35	B.Sc 503	Computer Science/Physics -V	CC-15	6 Hrs	3	100	4
36	B.Sc 504	Electronic Practical-V	PR-13	4PHrs	3	50P	2
37	B.Sc 505	Mathematics Practical-V	PR-14	4PHrs	3	50P	2
38	B.Sc 506	Computer Science/Physics Practical-V	PR-15	4PHrs	3	50P	2
39	A-Add On	Elective Courses-PIC & ATMEL Microcontrollers	EC-3	2hrs	2	50	1
THIRD YEAR - SEMESTER-VI							
40	B.Sc 601	Fundamentals of Embedded Systems & Application	CC-16	6Hrs	3	100	4
41	B.Sc 602	Mathematics-VI	CC-17	6Hrs	3	100	4
42	B.Sc 603	Computer Science/Physics -VI	CC-18	6Hrs	3	100	4
43	B.Sc 604	Electronic Practical-VI	PR-16	4PHrs	3	50P	2
44	B.Sc 605	Mathematics Practical-VI	PR-17	4PHrs	3	50P	2
45	B.Sc 606	Computer Science/Physics Practical-VI	PR-18	4PHrs	3	50P	2
46	IDE	Elective Courses- Microprocessor & Microcontroller	EC-3	2 Hrs	2	50	1
47	CW	NCC/ NSS/ SPORTS	EC-3	2Hrs	No Exam	Certificate	1
48	S&C	Science & Civilization	FC-3	2Hrs	2	50	1
TOTAL							
				144+24=168 Hrs	84+18=102	1800+450=2250	84+12=96

Notation: T - Theory; PR - Practical; CT - Course Title; CC-Core Courses; EC- Elective Course; CW - Certified Voluntary Work; FC - Value Education; Foundation course  
CC = 18 : PR=18 : EC (Add on) = 3 : EC (IDE) = 3 : EC (CW) = 3 : VE = 3

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


## COURSE STRUCTURE

## Semester: I

Paper Code	Course Paper	Teaching Hrs per week	Credits	Internal Assessment	External	Total Marks
0106	Paper I: SHORT FICTION, PROSE, POETRY, DRAMA, COMPOSITION	5 hrs	5	15	35	50
A0106	Introduction to English Grammar (Speaking Skills Reading Skills Writing Skills Listening Skills)	2 Hrs	1	15	35	50

## Semester II

0206	Paper -II SHORT FICTION, PROSE, POETRY, DRAMA, COMPOSITION	5 hrs	5	15	35	50
IDE020	Business Communication Skills	2 hrs	1	15	35	50

  
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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
10406	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)**

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

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].

  
 Chairperson  
 Board of Studies (UG & PG)



# ANWARUL ULOOM COLLEGE (Autonomous)

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



## Faculty of Social Sciences

### Department of History

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

B. A. 1<sup>st</sup> Year  
( 2017 – 18 )

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

( Approved Syllabus for the Academic Year 2017 – 18 )

S. No.	Year	Sem.	Paper	Title	Code No.	Inter. Marks	Sem. Marks	Teaching hours	Credits
1	1 <sup>st</sup> Year	I	I	History of India (from earliest times to 700 CE)	1113	15	35	5 Hrs	4
2			Add-on	Indian Heritage and Culture		15	35	2 Hrs	1
3	1 <sup>st</sup> Year	II	II	History of India (from 700 – 1526 CE)	1213	15	35	5 Hrs	4
4			I D E	Tourism in Telangana		15	35	2 Hrs	1

*M. R. B. B. B.*  
HEAD  
Department of History  
Osmania University  
Hyderabad, Telangana State

*J. S. S.*  
CHAIRMAN  
Board of Studies  
Department of History,  
Osmania University,  
Hyderabad.

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## Faculty of Social Sciences

### Department of History

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

B. A. 2<sup>nd</sup> Year  
( 2017 – 18 )

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

( Approved Syllabus for the Academic Year 2017 – 18 )

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

*Ju*  
*AM-2017*  
HEAD  
Department of History  
Osmania University  
Hyderabad, Telangana State

*KPS*  
CHAIRMAN  
Board of Studies  
Department of History,  
Osmania University,  
Hyderabad.



# ANWARUL ULOOM COLLEGE (Autonomous)

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## Faculty of Social Sciences

### Department of History

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

B. A. 3<sup>rd</sup> Year  
( 2017 – 18 )

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

( Approved Syllabus for the Academic Year 2017 – 18 )

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

*J. K. P. P. P.*

HEAD  
Department of History  
Osmania University  
Hyderabad, Telangana State

*K. J. S.*  
CHAIRMAN  
Board of Studies  
Department of History  
Osmania University  
Hyderabad.



# ANWARUL ULOOM COLLEGE ( AUTONOMOUS )

(An Autonomous Muslim Minority Institution)  
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## Department of History Paper Titles & Marks Details ( 2017 - 18 )

(Course Structure & Scheme of Examinations)

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

*K. Adnan*  
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**

*Ju*  
*(Mr. R. S. Reddy)*  
 HEAD  
 Department of History  
 Osmania University  
 Hyderabad, Telangana State

*[Signature]*  
 CHAIRMAN  
 Board of Studies  
 Department of History,  
 Osmania University,  
 Hyderabad.





# ANWARUL ULOOM COLLEGE (AUTONOMOUS)


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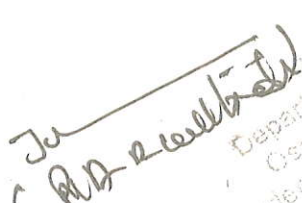
## Department of History Paper Titles & Marks Details (2017-18)

(Course Structure & Scheme of Examinations)

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

Total Credits: 100 & Total Marks: 2,000

  
 Head of the Department  
 CHAIRMAN  
 Board of Studies  
 Department of History,  
 Osmania University,  
 Hyderabad.

  
 Head of the Department  
 Department of History,  
 Osmania University,  
 Hyderabad, Telangana State

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2017 - 2018

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

**SUBJECT : Mathematics**

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

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 Prof. M. V. Ramana Murthy  
 Chairman  
 BoS in Mathematics  
 Department of Mathematics  
 Osmania University,  
 Hyderabad-500007



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

2017-2018

**Semester -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			<b>Total :</b>	<b>32</b>			<b>50</b>	<b>2</b>
			Communication Skills	2	10	40	50	1

2017-2018

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

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
			<b>Total:</b>	<b>32</b>				<b>24</b>
9. Add on Course			Basic of Computer	2	10	40	50	1

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Departemnt of MATHEMATICS, ~~BB~~ AUC  
 Proposed Choice Based Credit System (CBCS)  
 M.Sc Applied Mathematics

2017-2018

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					
7. Practicals	AM 353 (B)		Integral Transforms					
	AM 353 (C)	Practical	Differential Geometry	4	....	50	50	2
8. Practicals	AM 354(A)		Operations Research					
	AM 354 (B)		Numerical Techniques					
	AM 354 (C)	Practical	Dynamical Systems	4	....	50	50	2
<b>Total :</b>				<b>32</b>	<b>80</b>	<b>520</b>	<b>625</b>	<b>24</b>

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Departemnt of MATHEMATICS, ~~GEI~~ AUC  
Proposed Choice Based Credit System (CBCS)  
M.Sc Applied Mathematics

2017-2018

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 OR 6	20	80	100	4 OR 6
	AM 404(B)	IV(B)	Discrete Mathematics					
	AM 404 (C)	IV(C)	Topology					
	AM 404 (D)	IV(D)	Project					
5. Practicals	AM 451	Practical	Advanced Complex Analysis	4	....	....	150	6
6. Practicals	AM 452	Practical	Finite Element Methods	4	....	50	50	2
		Practical	Integral Equations & Calculus of variations	4	....	50	50	2
7. Practicals	AM 453 (A)	Practical	Integral Equations & Calculus of variations	4	....	50	50	2
	AM 453 (B)							
	AM 453 (C)							
8. Practicals	AM 454 (A)	Practical	Functional Analysis	4	....	50	50	2
	AM 454 (B)							
	AM 454 (C)							
9. Seminar			Seminar	2	....	....	25	1
			Total :	32	80	520	600	24

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## B.Sc.(Biotechnology, Micro-Biology &amp; Chemistry)

## Subject: Microbiology

Semester	Course/paper	Code No	Teaching Hours/week	No of credits.
I	Paper-I(Theory) General Microbiology - I	6115	4hrs	34
	Paper-I (Prac.) Add-on Bioremediation	6115P	2hrs	1
II	Paper- II(Theory) General Microbiology - II	A6115 6215	2hrs 4hrs	1 3
	Paper-II (Prac.) IDE Biopesticides	6215P	2hrs	1
	Paper III-(Theory) Microbial Physiology & Enzymology	I6215 6315	2hrs 4hrs	1 3
III	Paper-III (Prac.) Add-on Soil Microbiology	6315P A6315	2hrs 2hrs	1 1
	Paper-IV(Theory) Microbial Genetics & Molecular Biology	6415 6415P	4hrs 2hrs	3 1
	Paper-IV (Prac.) IDE Food Microbiology	I6415	2hrs	1
	Paper -V (Theory) Immunology & Medical Microbiology	6515 6515P	6hrs 4hrs	4 2
V	Paper-V (Prac.) Add-on Contagious Diseases & Immunization	A6515	2hrs	1
	Paper-VI(Theory) Applied Microbiology	6615	6hrs	4
VI	Paper-VI (Prac.) IDE Food Adulteration	6615P I6615	4hrs 2hrs	2 1

Note: From 2017-18 onwards for  
First year 1 hour 1 credit

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Dr. B. Sharma  
Chairman, SoS  
Dept. of Microbiology  
Osmania University, Hyd



**UNIVERSITY COLLEGE FOR WOMEN, OSMANIA UNIVERSITY**  
**DEPARTMENT OF FOOD AND NUTRITION**  
**2016 - 2018**

**THEORY**

Year	Semester	Paper	Sub Code	Title of paper	Credits	Instruction Hrs/ wk	Duration of exam	Max marks
I	I	I	101	Nutritional Biochemistry	4	4	2	50
	II	II	201	Nutrition Through the Life Cycle	4	4	2	50
II	III	III	301	Introduction to Food Technology	4	4	2	50
	IV	IV	401	Food Technology	4	4	2	50
III	V	V	501	Therapeutic Nutrition	3	3	2	50
		VI	502	Public Health / Community Nutrition and Health Education	3	3	2	50
	VI	VII	601	Diet Therapy	3	3	2	50
		VIII	602	Food Safety and Quality Control/Food Microbiology	3	3	2	50
<b>TOTAL CREDITS</b>					28			

**PRACTICALS**

Year	Semester	Paper	Sub Code	Title of paper	Credits	Instruction Hrs/ wk	Duration of exam	Max marks
I	I	I	151	Nutritional Biochemistry	1	3	3	25
	II	II	251	Nutrition Through the Life Cycle	1	3	3	25
II	III	III	351	Introduction to Food Technology	1	3	3	25
	IV	IV	451	Food Technology	1	3	3	25
III	V	V	551	Therapeutic Nutrition	1	3	3	25
		VI	552	Public Health / Community Nutrition and Health Education	1	3	3	25
	VI	VII	651	Diet Therapy	1	3	3	25
		VIII	652	Food Safety and Quality Control/Food Microbiology	1	3	3	25
<b>TOTAL CREDITS</b>					8			
<b>Total Practical Marks</b>								200
<b>Total of theory and Practical</b>								400 + 200 = 600

**Note:** Theory Total 50 marks (40 Marks for final semester end exam and 10 marks for average of 2 internal Assessments).

**Practical Total 25 marks (20 marks for final practical semester end exam and 5 marks Internal Assessment)**

**Dr. KAVITA WACHRAY**  
 Professor  
 Food Technology Department  
 University College of Technology (A),  
 Osmania University, Hyderabad-500 007.



**M.Sc. (Nutrition and Dietetics)**  
**Choice Based Credit system (CBCS) Syllabus**  
**COURSE OUTLINE AND SCHEME OF EXAMINATION**

**FIRST SEMESTER**

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

**SECOND SEMESTER**

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

**M.Sc. (Nutrition and Dietetics)**  
**Restructured Choice Based Credit system (CBCS) Syllabus**  
**COURSE OUTLINE AND SCHEME OF EXAMINATION**

**THIRD SEMESTER**

Paper No.	Title	Instructions Hrs/ Week	Duration of Examination	Credits	Maximum Marks
<b>Theory</b>					
ND 301 T	Food Microbiology	4	3	4	100 (80+20)
ND 302 T	Food Safety and Quality Control	4	3	4	100 (80+20)
ND 303 T	Product Development	4	3	4	100 (80+20)
ND 304 T	Advanced Nutrition	4	3	4	100 (80+20)
<b>Practicals</b>					
ND 305 P	Food Microbiology & Food Safety	8	4	4	100
ND 306 P	Product Development	8	4	4	100
	Seminar	4			
	<b>Total Marks</b>				600
					Theory + Practical

**FOURTH SEMESTER**

Paper No.	Title	Instructions Hrs/ Week	Duration of Examination	Credits	Maximum Marks
<b>Theory</b>					
ND 401 T	Choice Based Paper I: Patient Counseling and Computer Applications	4	3	4	100 (80+20)
	Choice Based Paper II: Nutrition in Intensive care	4	3	4	100 (80+20)
ND 402 T	Food Technology	4	3	4	100 (80+20)
ND 403 T	Community Nutrition	4	3	4	100 (80+20)
ND 404 T	Food Service Management	4	3		100
<b>Practicals</b>					
ND 405 P	Internship				100
ND 406 P	Project	8	4	4	100
	Seminar	4			
	<b>Total Marks</b>				600
<b>Grand Total Marks of all the Four Semesters = 600+600+600+600=2400</b>					Theory + Practical

*Kavita Waghmare*  
**Dr. KAVITA WAGH**

Professor  
 Food Technology Department  
 University College of Technology  
 Osmania University, Hyderabad-500 007.



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

**SEMESTER I**  
**ND 101 T HUMAN NUTRITION (CORE)**

4 hrs/week

**Objectives:**

- To understand the role of adequate nutrition in stages of life cycle.
- To know the nutritional requirement and meal management of athletes.

**CREDIT I: PRINCIPLES OF NUTRITION**

- Energy value of foods
- Estimation of energy value of foods by Bomb Calorimeter and by Benedict's oxy Calorimeter
- Factors affecting energy requirements;
- Factors affecting BMR, SDA, RDA, and derivation of RDA.
- Physical activity, Reference man, Reference woman
- Basic five food groups, Nutritional contribution from each group
- Balanced diet, Food Pyramid
- Basic principles of meal planning
- Steps in meal planning, food cost
- Nutritional requirements of adult man
- Nutritional requirements of adult woman

**CREDIT II: PREGNANCY, LACTATION AND INFANCY****Pregnancy:**

- Physiological changes, Growth of fetus from conception till term
- Maternal weight gain and complications of pregnancy
- Increase in Nutritional requirements during pregnancy

**Lactation:**

- Development of breast, physiology of lactation
- Nutritional component of colostrum and mature milk

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

Semester	Course/ Paper	Code No.	Teaching Hours Per Week	No. of Credits
I	Paper – I (Theory) <b>Mechanics</b>	6118	4 hours	3
	Paper – I ( <b>Mechanics Lab</b> )	6118P	2 hours	1
	Add-on <b>Domestic Electrical Wiring</b>	A6118	2 hours	1
II	Paper – II (Theory) <b>Waves and Oscillations</b>	6218	4 hours	3
	Paper – II ( <b>Waves and Oscillations Lab</b> )	6218P	2 hours	1
	IDE <b>Domestic Electrical Appliances</b>	I6218	2 hours	1
III	Paper – III (Theory) <b>Thermal Physics</b>	6318	4 hours	3
	Paper – III ( <b>Thermal Physics Lab</b> )	6318P	2 hours	1
	Add-on <b>Solar Energy and its Collectors</b>	A6318	2 hours	1
IV	Paper – IV (Theory) <b>Optics</b>	6418	4 hours	3
	Paper – IV ( <b>Optics Lab</b> )	6418P	2 hours	1
	IDE <b>Storage and Utilization of Solar Energy</b>	I6418	2 hours	1
V	Paper – V (Theory) <b>Electricity , Magnetism and Electronics</b>	6518	6 hours	4
	Paper – V ( <b>Electricity Lab</b> )	6518P	4 hours	2
	Add-on <b>Solar and Chemical Energy</b>	A6518	2 hours	1
VI	Paper – VI (Theory) <b>Modern Physics</b>	6618	6 hours	4
	Paper – VI ( <b>Modern Physics and Electronics Lab</b> )	6618P	4 hours	2
	IDE <b>Mechanical and Geothermal Energy</b>	I6618	2 hours	1



ANWARUL ULOOM COLLEGE, MALLEPALLY, HYDERABAD.

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

(for the batch admitted in I year from the academic year 2017-2018)

Scheme of Instruction and Examination

**Semester – I**

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


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

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

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

The student has to answer all the questions.

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

  
Chairman BOS, Dept. of Physics  
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Mallepally, Hyderabad-500 001.

DEPARTMENT OF PHYSICS, ANWARUL ULOOM COLLEGE

ANWARUL ULOOM COLLEGE, MALLEPALLY, HYDERABAD.

## M.Sc., Physics I YEAR

(for the batch admitted in 1 year from the academic year 2017-2018)

Scheme of Instruction and Examination

### Semester – II



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

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

For Add – On course out of 50 marks paper 10 marks are allotted for internals and 40 marks for the semester theory examination.

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

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

The student has to answer all the questions.

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

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ANWARUL ULOOM COLLEGE , MALLEPALLY , HYDERABAD.

## M.Sc., Physics II YEAR

(for the batch admitted in I year from the academic year 2016-2017)

Scheme of Instruction and Examination

Semester – III



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

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

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

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

The student has to answer all the questions.

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

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DEPARTMENT OF PHYSICS, ANWARUL ULOOM COLLEGE

ANWARUL ULOOM COLLEGE, MALLEPALLY, HYDERABAD.

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

(for the batch admitted in I year from the academic year 2016-2017)

Scheme of Instruction and Examination



**Semester – IV**

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

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

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

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

The student has to answer all the questions.

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



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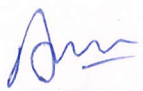



Faculty of Social Sciences Subject: Political Science (2017-18)  
Course Structure CBCS Pattern / Approval Syllabus for the Academic Year 2017-18

Code	Name of the paper	Scheme of instruction/Hours per week	Credit	Scheme of Examination	
				Internal Assessment Marks	Semester Examination Marks
<b>SEMESTER - I</b>					
1119	Pol. Science – Concepts, Theories and Institutions.	5 Hours	4	15	35
<b>ADD-ON PAPER FOR SEMESTER - I</b>					
A1119	Human Rights and Duties	2 Hours	1	15	35
<b>SEMESTER - II</b>					
1219	Political Science Ideologies	5 Hours	4	15	35
<b>IDE PAPER FOR SEMESTER - II</b>					
11219	Introduction to Child Labour	2 Hours	1	15	35

Semester III & IV  
**Approval Syllabus for the Academic Year 2017-18**

Code	Name of the paper	Scheme of instruction/Hours per week	Credit	Scheme of Examination	
				Internal Assessment Marks	Semester Examination Marks
<b>SEMESTER – III</b>					
1119	Indian Government and Politics	5 Hours	4	15	35
<b>ADD-ON PAPER FOR SEMESTER - III</b>					
A1119	Emancipation of women	2 Hours	1	15	35
<b>SEMESTER – IV</b>					
1219	Indian Government and Politics; Union and State Governments	5 Hours	4	15	35
<b>IDE PAPER FOR SEMESTER – IV</b>					
11219	Caste System in India	2 Hours	1	15	35

  
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HYDERABAD.

  
**Chairperson**  
Department of Political Science  
Osmania University  
Hyderabad - 500 007

**SEMESTER – VA – V B**  
(Choice Based credit System)

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

SEMESTER V A

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

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

	Reform Movements in India	2 Hrs	1	15	35
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SEMESTER VI A  
(Choice Based credit System)

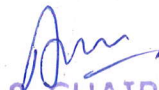
VI A	Pol. Science western Political Thoughts	5 Hrs	5	15	35
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SEMESTER VI B

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

	Women Studies An Introduction	2 Hrs	1	15	35
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Anwarul Uloom College, Mallepally, Hyderabad  
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Faculty of Social Sciences  
Department of Public Administration  
2017-2018

**Course Structure**

Choice Based Credit System Pattern Approved Syllabus for the  
Academic year 2017-2018

**Scheme of Examination**

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

Pub-Admn. (Introduction to Public Administration)	5 Hours	5	15	35
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**Add-On Paper for Semester- I**

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

Pub-Admn. (Introduction to Public Administration)	5 Hours	5	15	35
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**IDE Paper for Semester- II**

Pub-Admn. (Disaster Management)	2 Hours	1	15	35
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Chairperson, BOS  
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Anwarul Uloom College, Mallepally, Hyderabad  
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**Faculty of Social Sciences**  
**Department of Public Administration**  
**2017-2018**

**Course Structure**

Choice Based Credit System Pattern Approved Syllabus for the Academic year 2017-2018

**Scheme of Examination**

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

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Faculty of Social Sciences  
Department of Public Administration  
2017-2018

Choice Based Credit System for BA V & VI Semesters

Semester	Name of the Paper	Internal Assessment Marks	Semester End Examination Marks
VA	Public-Admn. Management of Resources	15	35
V B	Public-Admn. Office Management	15	35
VI A	Public-Admn. Management of Resources	15	35
VI B	Public-Admn. Office Management	15	35

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**Faculty of Arts****Department of Urdu**

( Pattern based on Choice Based Credit System )

**Second Language Urdu**  
( 2017 – 18 )

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

*R. S. S. S.*  
Head

Department of Urdu  
Osmania University  
HYDERABAD - 500 007 (TS)



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New Mallepally, Hyderabad – 500 001, A.P., India.  
(Affiliated to Osmania University)

**Faculty of Arts****Department of Urdu****( Pattern based on Choice Based Credit System )****Second Language Urdu  
( 2017 – 18 )**

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

*M. Mujeeb*  
**Head**

Department of Urdu  
Osmania University  
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# ANWARUL ULOOM COLLEGE (Autonomous)

(An Autonomous Muslim Minority Institution)  
New Mallepally, Hyderabad – 500 001, A.P., India.  
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## Faculty of Arts

### Department of Urdu

(2017 – 18)

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

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

*[Signature]*

Head

Department of Urdu  
Osmania University  
HYDERABAD - 500 001



# ANWARUL ULOOM COLLEGE (Autonomous)

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New Mallepally, Hyderabad – 500 001, A.P., India.  
(Affiliated to Osmania University)



## Faculty of Arts

### Department of Urdu

( 2017 – 18 )

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

S. No.	Semester	Course Paper	Code No.	Teaching hours per week	Credits	w.e.f
1	III	Second Language Urdu	0302	4	3	2016 – 17
2	IV	Second Language Urdu	0402	4	3	2016 – 17
3	III	Modern Language Urdu	1316	5	4	2016 – 17
4	IV	Modern Language Urdu	1416	5	4	2016 – 17

*[Handwritten Signature]*  
**Head**

Department of Urdu  
Osmania University  
HYDERABAD - 500 007 (TS)



**ANWARUL ULOOM COLLEGE (Autonomous)**

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**Faculty of Arts**  
**Department of Urdu**  
**(2017 – 18)**

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

S. No.	Semester	Course Paper	Code No.	Teaching hours per week	Credits	w. e. f
1	V A	Modern Language Urdu	1516	5	5	2017 – 18
2	V B	Modern Language Urdu	1516	5	5	2017 – 18
3	VI A	Modern Language Urdu	1616	5	5	2017 – 18
4	VI B	Modern Language Urdu	1616	5	5	2017 – 18

*[Signature]*  
**Head**  
 Department of Urdu  
 Osmania University  
 HYDERABAD - 500 007 (T)



**CBCS STRUCTURE COURSE ZOOLOGY w.e.f 2017-2018**  
**BSc. (Botany, Zoology & Chemistry) &**  
**(Nutrition, Zoology & Chemistry) Programmes**

079

Semester	Course/Paper	Code No	Teaching Hours Per week	No of Credits
I	Paper - I (Theory) Animal Diversity - Invertebrates	6121	4 hrs	4
	Paper - I (Practicals)	6121P	2 hrs	1
	Add-on course : Instrumentation & Techniques in Biology	A6121	2 hrs	1
II	Paper - II (Theory) Ecology, Zoogeography and Animal Behaviour	6221	4 hrs	4
	Paper -II (Practicals)	6221P	2 hrs	1
	IDE : Health & wellness	I6221	2 hrs	1
III	Paper -I II(Theory) Biology of Chordates -I & Embryology	6321	4 hrs	4
	Paper -III (Practicals)	6321P	2 hrs	1
	Add-on course: Tropical Diseases and Role of Vectors	A6321	2 hrs	1
IV	Paper -IV (Theory) Biology of Chordates-II Ecology, Evolution & Zoo- geography	6421	4 hrs	4
	Paper -IV (Practicals)	6421P	2 hrs	1
	IDE : Pet Care	I6421	2 hrs	1
V	Paper -V (Theory) Animal Physiology of Genetics & Evolution	6521	6 hrs	6
	Paper -V (Practicals)	6521P	4 hrs	2
	Add-on course : Aquarium Keeping	A6521	2 hrs	1
VI	Paper -VI (Theory) Applied Zoology	6621	6 hrs	6
	Paper -VI (Practicals)	6621P	4 hrs	2
	IDE course : Biodiversity conservation & Ecotourism	I6621	2 hrs	1

*K.R.*

*Shan*

*A. Ghosh*

*Manees Begu*

*Maintenans*  
**CHAIR PERSON**  
**Board of Studies in Zoology**  
**Osmania University, HYD-7.**