



# 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 2021-22

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.	ARABIC - V	SL0503	III YEAR V SEMESTER	B.A., B.COM, BSC, BBA, BBM
6.	ARABIC - VI	SL0603	III YEAR VI SEMESTER	B.A., B.COM, BSC, BBA, BBM
7.	CELL BIOLOGY & GENETIC - I	6108	I YEAR I SEMESTER	BSC, (BTMBC, BTBC)
8.	CELL BIOLOGY & GENETIC PR	6108-P	I YEAR I SEMESTER	BSC, (BTMBC, BTBC)
9.	NUCLEIC, ACID & BIOCHEMISTRY	6208	I YEAR II SEMESTER	BSC, (BTMBC, BTBC)
10.	NUCLEIC ACIDS & BIOCHEMISTRY PR	6208-P	I YEAR II SEMESTER	BSC, (BTMBC, BTBC)
11.	MOLECULAR BIOLOGY & DNA TECHNOLOGY	6308	II YEAR III SEMESTER	BSC, (BTMBC, BTBC)
12.	MOLECULAR BIOLOGY & DNA TECHNOLOGY- PR	6308-P	II YEAR III SEMESTER	BSC, (BTMBC, BTBC)
13.	BIostatistics & AND BIOINFORMATICS	6408	II YEAR IV SEMESTER	BSC, (BTMBC, BTBC)
14.	BIostatistics & AND BIOINFORMATICS- PR	6408-P	II YEAR IV SEMESTER	BSC, (BTMBC, BTBC)
15.	PLANT BIOTECHNOLOGY MEDICAL BIOTECHNOLOGY	6508	III YEAR V SEMESTER	BSC, (BTMBC, BTBC)
16.	PLANT BIOTECHNOLOGY-PR MEDICAL BIOTECHNOLOGY-PR	6508-P	III YEAR V SEMESTER	BSC, (BTMBC, BTBC)



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





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33.	IMMUNOLOGY - PR	BT253P	I YEAR II SEMESTER	MSC (BIOTECHNOLOGY)
34.	MICROBIAL TECHNOLOGY - PR	BT254P	I YEAR II SEMESTER	MSC (BIOTECHNOLOGY)
35.	RECOMBINANT DNA TECHNOLOGY	BT301T	II YEAR III SEMESTER	MSC (BIOTECHNOLOGY)
36.	BIOINFORMATICS & ITS APPLICATION	BT302T	II YEAR III SEMESTER	MSC (BIOTECHNOLOGY)
37.	ELECTIVE: A. ADVANCE IN PLANT BIOTECHNOLOGY. B. FOOD BIOTECHNOLOGY	BT303T	II YEAR III SEMESTER	MSC (BIOTECHNOLOGY)
38.	ELECTIVE: A. ANIMAL BIOTECHNOLOGY B. PROTEIN ENGINEERING	BT304T	II YEAR III SEMESTER	MSC (BIOTECHNOLOGY)
39.	RECOMBINANT DNA TECHNOLOGY - PR	BT351P	II YEAR III SEMESTER	MSC (BIOTECHNOLOGY)
40.	BIOINFORMATICS & ITS APPLICATION – PR	BT352P	II YEAR III SEMESTER	MSC (BIOTECHNOLOGY)
41.	ELECTIVE: C. ADVANCE IN PLANT BIOTECHNOLOGY D. FOOD BIOTECHNOLOGY – PR	BT353P	II YEAR III SEMESTER	MSC (BIOTECHNOLOGY)
42.	ELECTIVE: C. ANIMAL BIOTECHNOLOGY D. PROTEIN ENGINEERING - PR	BT354P	II YEAR III SEMESTER	MSC (BIOTECHNOLOGY)
43.	BIOPROCESS ENGINEERING	BT401T	II YEAR IV SEMESTER	MSC (BIOTECHNOLOGY)
44.	MEDICAL BIOTECHNOLOGY	BT402T	II YEAR IV SEMESTER	MSC (BIOTECHNOLOGY)



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45.	ELECTIVE: A. ENVIRONMENT BIOTECHNOLOGY B. BIO PHARMACOLOGY	BT403T	II YEAR IV SEMESTER	MSC (BIOTECHNOLOGY)
46.	PROJECT WORK	BT404T	II YEAR IV SEMESTER	MSC (BIOTECHNOLOGY)
47.	BIOPROCESS ENGINEERING - PR	BT451P	II YEAR IV SEMESTER	MSC (BIOTECHNOLOGY)
48.	MEDICAL BIOTECHNOLOGY - PR	BT452P	II YEAR IV SEMESTER	MSC (BIOTECHNOLOGY)
49.	ELECTIVE: C. ENVIRONMENT BIOTECHNOLOGY D. BIO PHARMACOLOGY - PR	BT453P	II YEAR IV SEMESTER	MSC (BIOTECHNOLOGY)
50.	PROJECT/THESIS/PRESENTATION	BT454P	II YEAR IV SEMESTER	MSC (BIOTECHNOLOGY)
51.	MICROBIAL DIVERSITY AND LOWER PLANTS	6107	I YEAR I SEMESTER	BSC (BZC, BTBC)
52.	MICROBIAL DIVERSITY AND LOWER PLANTS – PR	6107P	I YEAR I SEMESTER	BSC (BZC, BTBC)
53.	ENVIRONMENTAL SCIENCE	A6107	I YEAR I SEMESTER	BSC (BZC, BTBC)
54.	GYMNOSPERMS TAXONOMY OF ANGIOSPERMS & ECOLOGY	6207	I YEAR II SEMESTER	BSC (BZC, BTBC)
55.	GYMNOSPERMS TAXONOMY OF ANGIOSPERMS & ECOLOGY - PR	6207P	I YEAR II SEMESTER	BSC (BZC, BTBC)
56.	BASIC COMPUTER SKILLS	I6207	I YEAR II SEMESTER	BSC (BZC, BTBC)
57.	PLANT ANATOMY & EMBRYOLOGY	6307	II YEAR III SEMESTER	BSC (BZC, BTBC)
58.	PLANT ANATOMY & EMBRYOLOGY-PR	6307P	II YEAR III SEMESTER	BSC (BZC, BTBC)





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59.	NURSERY & GARDENING BIOFERTILIZERS & ORGANIC FARMING	A6307	II YEAR III SEMESTER	BSC (BZC, BTBC)
60.	CELL BIOLOGY, GENETIC & PLANT PHYSIOLOGY	6407	II YEAR IV SEMESTER	BSC (BZC, BTBC)
61.	CELL BIOLOGY, GENETIC & PLANT PHYSIOLOGY-PR	6407P	II YEAR IV SEMESTER	BSC (BZC, BTBC)
62.	GREEN HOUSE TECHNOLOGY MUSHROOM CULTURE TECHNOLOGY	I6407	II YEAR IV SEMESTER	BSC (BZC, BTBC)
63.	BIODIVERSITY & CONSERVATION ECONOMIC BOTANY SEED TECHNOLOGY	6507	III YEAR V SEMESTER	BSC (BZC, BTBC)
64.	BIODIVERSITY & CONSERVATION- PR ECONOMIC BOTANY- PR SEED TECHNOLOGY- PR	6507P	III YEAR V SEMESTER	BSC (BZC, BTBC)
65.	INDUSTRIAL MICROBIOLOGY	A6507	III YEAR V SEMESTER	BSC (BZC, BTBC)
66.	PLANT MOLECULAR BIOLOGY TISSUE CULTURE & BIOTECHNOLOGY ANALYTICAL TECHNIQUES N PLANT SCIENCE	6607	III YEAR VI SEMESTER	BSC (BZC, BTBC)



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67.	PLANT MOLECULAR BIOLOGY- PR TISSUE CULTURE & BIOTECHNOLOGY-PR ANALYTICAL TECHNIQUES N PLANT SCIENCE- PR	6607P	III YEAR VI SEMESTER	BSC (BZC, BTBC)
68.	RESEARCH METHODOLOGY	I6607	III YEAR VI SEMESTER	BSC (BZC, BTBC)
69.	PHYCOLOGY AND MYCOLOGY	MBOT.O.C.T. 1.101	I YEAR I SEMESTER	MSC (BOTANY)
70.	BRYOPHYTE & PTERIDOPHYTA	MBOT.O.C.T. 1.102	I YEAR I SEMESTER	MSC (BOTANY)
71.	TAXONOMY OF ANGIOSERMS AND MEDICINAL BOTANY	MBOT.O.C.T. 1.103	I YEAR I SEMESTER	MSC (BOTANY)
72.	PLANT BIOCHEMISTRY	MBOT.O.C.T. 1.104	I YEAR I SEMESTER	MSC (BOTANY)
73.	PRACTICAL LAB - I	MBOT.O.C.P. 1.105	I YEAR I SEMESTER	MSC (BOTANY)
74.	PRACTICAL LAB – II	MBOT.O.C.P. 1.106	I YEAR I SEMESTER	MSC (BOTANY)
75.	PRACTICAL LAB – III	MBOT.O.C.P. 1.107	I YEAR I SEMESTER	MSC (BOTANY)
76.	PRACTICAL LAB - IV	MBOT.O.C.P. 1.108	I YEAR I SEMESTER	MSC (BOTANY)
77.	APPLIED PHYSIOLOGY AND MYCOLOGY	MBOT.O.C.T. 1.201	I YEAR II SEMESTER	MSC (BOTANY)
78.	GYMNOSPERMS AND EMBRYOLOGY	MBOT.O.C.T. 1.202	I YEAR II SEMESTER	MSC (BOTANY)





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79.	PLANT ANATOMY AND PALYNOLOGY	MBOT.O.C.T. 1.203	I YEAR II SEMESTER	MSC (BOTANY)
80.	PLANT PHYSIOLOGY	MBOT.O.C.T. 1.204	I YEAR II SEMESTER	MSC (BOTANY)
81.	PRACTICAL LAB - I	MBOT.O.C.P. 1.205	I YEAR II SEMESTER	MSC (BOTANY)
82.	PRACTICAL LAB - II	MBOT.O.C.P. 1.206	I YEAR II SEMESTER	MSC (BOTANY)
83.	PRACTICAL LAB - III	MBOT.O.C.P. 1.207	I YEAR II SEMESTER	MSC (BOTANY)
84.	PRACTICAL LAB - IV	MBOT.O.C.P. 1.208	I YEAR II SEMESTER	MSC (BOTANY)
85.	CELL BIOLOGY, GENETICS AND BIOSTATISTICS	MBOT.O.C.T. 1.301	II YEAR III SEMESTER	MSC (BOTANY)
86.	ENVIRONMENTAL POLLUTION & PROTECTION	MBOT.O.C.T. 1.302	II YEAR III SEMESTER	MSC (BOTANY)
87.	SPECIALIZATION - (A/B/C/D/E)	MBOT.O.C.T. 1.303	II YEAR III SEMESTER	MSC (BOTANY)
88.	SPECIALIZATION - (A/B/C/D/E)	MBOT.O.C.T. 1.304	II YEAR III SEMESTER	MSC (BOTANY)
89.	PRACTICAL LAB - I	MBOT.O.C.P. 1.305	II YEAR III SEMESTER	MSC (BOTANY)
90.	PRACTICAL LAB - II	MBOT.O.C.P. 1.306	II YEAR III SEMESTER	MSC (BOTANY)
91.	PRACTICAL LAB - III	MBOT.O.C.P. 1.307	II YEAR III SEMESTER	MSC (BOTANY)
92.	PRACTICAL LAB - IV	MBOT.O.C.P. 1.308	II YEAR III SEMESTER	MSC (BOTANY)



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93.	ECOLOGY & PHYTOGEOGRAPHY	MBOT.O.C.T. 1.301	II YEAR IV SEMESTER	MSC (BOTANY)
94.	HORTICULTURE & PLANT BREEDING	MBOT.O.C.T. 1.302	II YEAR IV SEMESTER	MSC (BOTANY)
95.	SPECIALIZATION – (A/B/C/D/E)	MBOT.O.C.T. 1.303	II YEAR IV SEMESTER	MSC (BOTANY)
96.	SPECIALIZATION – (A/B/C/D/E)	MBOT.O.C.T. 1.304	II YEAR IV SEMESTER	MSC (BOTANY)
97.	PRACTICAL LAB - I	MBOT.O.C.P. 1.305	II YEAR IV SEMESTER	MSC (BOTANY)
98.	PRACTICAL LAB – II	MBOT.O.C.P. 1.306	II YEAR IV SEMESTER	MSC (BOTANY)
99.	PRACTICAL LAB – III	MBOT.O.C.P. 1.307	II YEAR IV SEMESTER	MSC (BOTANY)
100.	PRACTICAL LAB - IV	MBOT.O.C.P. 1.308	II YEAR IV SEMESTER	MSC (BOTANY)
101.	PRINCIPLES OF MANAGEMENT	BBA101	I YEAR I SEMESTER	BBA
102.	BASICS OF MARKETING	BBA102	I YEAR I SEMESTER	BBA
103.	BUSINESS ECONOMICS	BBA103	I YEAR I SEMESTER	BBA
104.	ENVIRONMENTAL SCIENCE	AECC1	I YEAR I SEMESTER	BBA
105.	ORGANISATIONAL BEHAVIOUR	BBA201	I YEAR II SEMESTER	BBA
106.	BUSINESS STATISTICS	BBA202	I YEAR II SEMESTER	BBA
107.	FINANCIAL ACCOUNTING	BBA203	I YEAR II SEMESTER	BBA
108.	BUSINESS CORRESPONDANCE & COMMUNICATIONS	BBA204	I YEAR II SEMESTER	BBA
109.	BASIC COMPUTER SKILLS	AECC2	I YEAR II SEMESTER	BBA





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110.	HUMAN RESOURCE MANAGEMENT	BBA301	II YEAR III SEMESTER	BBA
111.	IT FOR BUSINESS	BBA302	II YEAR III SEMESTER	BBA
112.	FINANCIAL MANAGEMENT	BBA303	II YEAR III SEMESTER	BBA
113.	ADVANCED COMPUTERS	SECC1	II YEAR III SEMESTER	BBA
114.	BUSINESS POLICY & STRATEGY	SECC2	II YEAR III SEMESTER	BBA
115.	BUSINESS LAW & ETHICS	BBA401	II YEAR IV SEMESTER	BBA
116.	MARKET RESEARCH	BBA402	II YEAR IV SEMESTER	BBA
117.	MANAGEMENT SCIENCE	BBA403	II YEAR IV SEMESTER	BBA
118.	PERSONALITY DEVELOPMENT	SECC3	II YEAR IV SEMESTER	BBA
119.	BUSINESS INTELLIGENCE & DATA VISUALIZATION	SECC4	II YEAR IV SEMESTER	BBA
120.	FINANCIAL MARKETS & SERVICES	BBA501	III YEAR V SEMESTER	BBA
121.	BRAND MANAGEMENT	BBA501	III YEAR V SEMESTER	BBA
122.	ORGANIZATIONAL DEVELOPMENT	BBA501	III YEAR V SEMESTER	BBA
123.	ANALYSIS OF INVESMENT IN FINANCIAL ASSESTS	BBA502	III YEAR V SEMESTER	BBA
124.	RETAIL MANAGEMENT	BBA502	III YEAR V SEMESTER	BBA
125.	PERFORMANCE APPRAISAL & COUNSELLING	BBA502	III YEAR V SEMESTER	BBA
126.	INSURANCE SERVICE	BBA503	III YEAR V SEMESTER	BBA
127.	CUSTOMER RELATIONSHIP MANAGEMENT	BBA503	III YEAR V SEMESTER	BBA
128.	COMPENSATION MANAGEMENT	BBA503	III YEAR V SEMESTER	BBA



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129.	M-COMMERCE	GE-1	III YEAR V SEMESTER	BBA
130.	PERSONALITY DEVELOPMENT	SECC3	III YEAR V SEMESTER	BBA
131.	BANKING	BBA601	III YEAR VI SEMESTER	BBA
132.	BUYER BEHAVIOUR	BBA601	III YEAR VI SEMESTER	BBA
133.	LEADERSHIP & CHANGE MANAGEMENT	BBA601	III YEAR VI SEMESTER	BBA
134.	RISK ANALYSIS AND MANAGEMENT	BBA602	III YEAR VI SEMESTER	BBA
135.	ADVERTISING & SALES PROMOTION	BBA602	III YEAR VI SEMESTER	BBA
136.	TALENT & KNOWLEDGE MANAGEMENT	BBA602	III YEAR VI SEMESTER	BBA
137.	INTERNATIONAL FINANCE	BBA603	III YEAR VI SEMESTER	BBA
138.	RURAL MARKETING	BBA603	III YEAR VI SEMESTER	BBA
139.	EMPLOYEES RELATIONS	BBA603	III YEAR VI SEMESTER	BBA
140.	PROJECT REPORT	BBA604	III YEAR VI SEMESTER	BBA
141.	BUSINESS ANALYTICS	GE2	III YEAR VI SEMESTER	BBA
142.	BUSINESS INTELLIGENCE & DATA VISUALIZATION	SECC4	II YEAR IV SEMESTER	BBA
143.	MIL-I	MIL-I	I YEAR I SEMESTER	BBM
144.	ENVIRONMENT SCIENCE	AECC-I	I YEAR I SEMESTER	BBM
145.	PRINCIPAL OF MANAGEMENT	BBM101	I YEAR I SEMESTER	BBM
146.	FINANCIAL ACCOUNTING	BBM102	I YEAR I SEMESTER	BBM
147.	BUSINESS ECONOMICS	BBM103	I YEAR I SEMESTER	BBM
148.	MIL --II	MIL-II	I YEAR II SEMESTER	BBM
149.	BASIC COMPUTER SKILL	AECC-II	I YEAR II SEMESTER	BBM





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150.	FUNDAMENTALS OF MARKETING	BBM201	I YEAR II SEMESTER	BBM
151.	BUSINESS STATISTICS	BBM202	I YEAR II SEMESTER	BBM
152.	BUSINESS CORRESPONDENCE AND COMMUNICATION	BBM203	I YEAR II SEMESTER	BBM
153.	FINANCIAL ACCOUNTING	BCO101	I YEAR I SEMESTER	B.COM (GENERAL)
154.	BUSINESS ORGANIZATION & MANAGEMENT	BCO102	I YEAR I SEMESTER	B.COM (GENERAL)
155.	FOREIGN TRADE	BCO103	I YEAR I SEMESTER	B.COM (GENERAL)
156.	ENVIRONMENTAL SCIENCE	AECC1	I YEAR I SEMESTER	B.COM (GENERAL)
157.	FINANCIAL ACCOUNTING – II	BCO201	I YEAR II SEMESTER	B.COM (GENERAL)
158.	BUSINESS LAWS	BCO202	I YEAR II SEMESTER	B.COM (GENERAL)
159.	BANKING & FINANCIAL SERVICES	BCO203	I YEAR II SEMESTER	B.COM (GENERAL)
160.	BASIC COMPUTER SKILLS	AECC2	I YEAR II SEMESTER	B.COM (GENERAL)
161.	ADVANCED ACCOUNTING	BCO301	II YEAR III SEMESTER	B.COM (GENERAL)
162.	BUSINESS STATISTICS – I	BCO302	II YEAR III SEMESTER	B.COM (GENERAL)
163.	FINANCIAL INSTITUTIONS & MARKETS	BCO303	II YEAR III SEMESTER	B.COM (GENERAL)
164.	PRINCIPLES OF INSURANCE FOUNDATION OF DIGITAL MARKETINGS FUNDAMENTAL OF BUSINESS ANALYTICS	SECC1	II YEAR III SEMESTER	B.COM (GENERAL)
165.	PRACTICE OF LIFE INSURANCE WEB DESIGN & ANALYTICS APPLICATION OF BUSINESS ANALYTICS	SECC2	II YEAR III SEMESTER	B.COM (GENERAL)



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166.	INCOME TAX	BCO401	II YEAR IV SEMESTER	B.COM (GENERAL)
167.	BUSINESS STATISTICS – II	BCO402	II YEAR IV SEMESTER	B.COM (GENERAL)
168.	CORPORATE ACCOUNTING	BCO403	II YEAR IV SEMESTER	B.COM (GENERAL)
169.	PRACTICE OF GENERAL INSURANCE SOCIAL MEDIA MARKETING BUSINESS INTELLIGENCE	SECC1	II YEAR IV SEMESTER	B.COM (GENERAL)
170.	REGULATION OF INSURANCE BUSINESS SEARCH ENGINE OPTIMIZATION & ONLINE ADVERTISING DATA VISUALIZATION & STORY TELLING	SECC2	II YEAR IV SEMESTER	B.COM (GENERAL)
171.	COST ACCOUNTING	BCO501	III YEAR V SEMESTER	B.COM (GENERAL)
172.	FINANCIAL PLANNING & PERFORMANCE	BCO501	III YEAR V SEMESTER	B.COM (GENERAL)
173.	INTERNATIONAL FINANCIAL REPORTING-I	BCO501	III YEAR V SEMESTER	B.COM (GENERAL)
174.	COMPUTERIZED ACCOUNTING	BCO502	III YEAR V SEMESTER	B.COM (GENERAL)
175.	FINANCIAL DECISION MAKING-I	BCO502	III YEAR V SEMESTER	B.COM (GENERAL)
176.	INTERNATIONAL TAX & REGULATION	BCO502	III YEAR V SEMESTER	B.COM (GENERAL)
177.	AUDITING	BCO503	III YEAR V SEMESTER	B.COM (GENERAL)
178.	ADVANCED CORPORATE ACCOUNTING	BCO503	III YEAR V SEMESTER	B.COM (GENERAL)
179.	FINANCIAL MANAGEMENT	BCO503	III YEAR V SEMESTER	B.COM (GENERAL)
180.	BUSINESS ECONOMICS	GE1	III YEAR V SEMESTER	B.COM (GENERAL)





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181.	COST CONTROL & MANAGEMENT ACCOUNTING	BCO601	III YEAR VI SEMESTER	B.COM (GENERAL)
182.	FINANCIAL CONTROL	BCO601	III YEAR VI SEMESTER	B.COM (GENERAL)
183.	INTERNATIONAL FINANCIAL REPORTING-II	BCO601	III YEAR VI SEMESTER	B.COM (GENERAL)
184.	THEORY & PRACTICE OF GST	BCO602	III YEAR VI SEMESTER	B.COM (GENERAL)
185.	FINANCIAL DECISION MAKING-II	BCO602	III YEAR VI SEMESTER	B.COM (GENERAL)
186.	INTERNATIONAL AUDITING	BCO602	III YEAR VI SEMESTER	B.COM (GENERAL)
187.	ACCOUNTING STANDARDS	BCO603	III YEAR VI SEMESTER	B.COM (GENERAL)
188.	CORPORATE GOVERNANCE	BCO603	III YEAR VI SEMESTER	B.COM (GENERAL)
189.	INVESTMENT MANAGEMENT	BCO603	III YEAR VI SEMESTER	B.COM (GENERAL)
190.	RESEARCH METHODOLOGY	PROJECT REPORT	III YEAR VI SEMESTER	B.COM (GENERAL)
191.	FINANCIAL ACCOUNTING-I	BCO101	I YEAR I SEMESTER	B.COM (COMPUTERS APPLICATIONS)
192.	BUSINESS ORGANIZATION & MANAGEMENT	BCO102	I YEAR I SEMESTER	B.COM (COMPUTERS APPLICATIONS)
193.	FUNDAMENTALS OF IT	BCO103	I YEAR I SEMESTER	B.COM (COMPUTERS APPLICATIONS)
194.	ENVIRONMENTAL SCIENCE	AECC1	I YEAR I SEMESTER	B.COM (COMPUTERS APPLICATIONS)
195.	FINANCIAL ACCOUNTING-II	BCO201	I YEAR II SEMESTER	B.COM (COMPUTERS APPLICATIONS)
196.	BUSINESS LAWS	BCO202	I YEAR II SEMESTER	B.COM (COMPUTERS APPLICATIONS)
197.	OOP USING JAVA	BCO203	I YEAR II SEMESTER	B.COM (COMPUTERS APPLICATIONS)



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198.	BASIC COMPUTER SKILLS	AECC2	I YEAR II SEMESTER	B.COM (COMPUTERS APPLICATIONS)
199.	ADVANCED ACCOUNTING	BCO301	II YEAR III SEMESTER	B.COM (COMPUTERS APPLICATIONS)
200.	BUSINESS STATISTICS – I	BCO302	II YEAR III SEMESTER	B.COM (COMPUTERS APPLICATIONS)
201.	RELATIONAL DATABASE MANAGEMENT SYSTEM	BCO303	II YEAR III SEMESTER	B.COM (COMPUTERS APPLICATIONS)
202.	PRINCIPLES OF INSURANCE FOUNDATION OF DIDGITAL MARKETINGS FUNDAMENTAL OF BUSINESS ANALYTICS	SECC1	II YEAR III SEMESTER	B.COM (COMPUTERS APPLICATIONS)
203.	PRACTICE OF LIFE INSURANCE WEB DESIGN & ANALYTICS APPLICATION OF BUSINESS ANALYTICS	SECC2	II YEAR III SEMESTER	B.COM (COMPUTERS APPLICATIONS)
204.	INCOME TAX	BCO401	II YEAR IV SEMESTER	B.COM (COMPUTERS APPLICATIONS)
205.	BUSINESS STATISTICS-II	BC402	II YEAR IV SEMESTER	B.COM (COMPUTERS APPLICATIONS)
206.	WEB TECHNOLOGIES	BC403	II YEAR IV SEMESTER	B.COM (COMPUTERS APPLICATIONS)
207.	PRACTICE OF GENERAL INSURANCE SOCIAL MEDIA MARKETING BUSINESS INTELLIGENCE	SECC1	II YEAR IV SEMESTER	B.COM (COMPUTERS APPLICATIONS)





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208.	REGULATION OF INSURANCE BUSINESS SEARCH ENGINE OPTIMIZATION & ONLINE ADVERTISING DATA VISUALIZATION & STORY TELLING	SECC2	II YEAR IV SEMESTER	B.COM (COMPUTERS APPLICATIONS)
209.	COST ACCOUNTING	BCO501	III YEAR V SEMESTER	B.COM (COMPUTERS APPLICATIONS)
210.	FINANCIAL PLANNING & PERFORMANCE	BCO501	III YEAR V SEMESTER	B.COM (COMPUTERS APPLICATIONS)
211.	INTERNATIONAL FINANCIAL REPORTING-I	BCO501	III YEAR V SEMESTER	B.COM (COMPUTERS APPLICATIONS)
212.	COMPUTERIZED ACCOUNTING	BCO502	III YEAR V SEMESTER	B.COM (COMPUTERS APPLICATIONS)
213.	FINANCIAL DECISION MAKING-I	BCO502	III YEAR V SEMESTER	B.COM (COMPUTERS APPLICATIONS)
214.	INTERNATIONAL TAX & REGULATION	BCO502	III YEAR V SEMESTER	B.COM (COMPUTERS APPLICATIONS)
215.	MANAGEMENT INFORMATION SYSTEM	BCO503	III YEAR V SEMESTER	B.COM (COMPUTERS APPLICATIONS)
216.	E-COMMERCE	BCO503	III YEAR V SEMESTER	B.COM (COMPUTERS APPLICATIONS)
217.	MOBILE APPLICATIONS	BCO503	III YEAR V SEMESTER	B.COM (COMPUTERS APPLICATIONS)
218.	BUSINESS ECONOMICS	GE	III YEAR V SEMESTER	B.COM (COMPUTERS APPLICATIONS)



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219.	COST CONTROL & MANAGEMENT ACCOUNTING	BCO601	III YEAR VI SEMESTER	B.COM (COMPUTERS APPLICATIONS)
220.	FINANCIAL CONTROL	BCO601	III YEAR VI SEMESTER	B.COM (COMPUTERS APPLICATIONS)
221.	INTERNATIONAL FINANCIAL REPORTING-II	BCO601	III YEAR VI SEMESTER	B.COM (COMPUTERS APPLICATIONS)
222.	THEORY & PRACTICE OF GST	BCO602	III YEAR VI SEMESTER	B.COM (COMPUTERS APPLICATIONS)
223.	FINANCIAL DECISION MAKING- II	BCO602	III YEAR VI SEMESTER	B.COM (COMPUTERS APPLICATIONS)
224.	INTERNATIONAL AUDITING	BCO602	III YEAR VI SEMESTER	B.COM (COMPUTERS APPLICATIONS)
225.	MULTIMEDIA SYSTEMS	BCO603	III YEAR VI SEMESTER	B.COM (COMPUTERS APPLICATIONS)
226.	CYBER SECURITY	BCO603	III YEAR VI SEMESTER	B.COM (COMPUTERS APPLICATIONS)
227.	DATA ANALYSIS	BCO603	III YEAR VI SEMESTER	B.COM (COMPUTERS APPLICATIONS)
228.	RESEARCH METHODOLOGY	PROJECT REPORT	III YEAR VI SEMESTER	B.COM (COMPUTERS APPLICATIONS)
229.	FINANCIAL ACCOUNTING-I	BCO101	I YEAR I SEMESTER	B.COM (E-COMMERCE)
230.	BUSINESS ORGANIZATION & MANAGEMENT	BCO102	I YEAR I SEMESTER	B.COM (E-COMMERCE)
231.	FUNDAMENTALS OF IT	BCO103	I YEAR I SEMESTER	B.COM (E-COMMERCE)
232.	ENVIRONMENTAL SCIENCE	AECC1	I YEAR I SEMESTER	B.COM (E-COMMERCE)
233.	FINANCIAL ACCOUNTING-II	BCO201	I YEAR II SEMESTER	B.COM (E-COMMERCE)
234.	BUSINESS LAWS	BCO202	I YEAR II SEMESTER	B.COM (E-COMMERCE)





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235.	RELATIONAL DATABASE MANAGEMENT SYSTEMS	BCO203	I YEAR II SEMESTER	B.COM (E-COMMERCE)
236.	BASIC COMPUTER SKILLS	AECC2	I YEAR II SEMESTER	B.COM (E-COMMERCE)
237.	ADVANCED ACCOUNTING	BCO301	I YEAR III SEMESTER	B.COM (E-COMMERCE)
238.	BUSINESS STATISTICS – I	BCO302	I YEAR III SEMESTER	B.COM (E-COMMERCE)
239.	PROGRAMMING WITH C	BCO303	I YEAR III SEMESTER	B.COM (E-COMMERCE)
240.	PRINCIPLES OF INSURANCE FOUNDATION OF DIDGITAL MARKETINGS FUNDAMENTAL OF BUSINESS ANALYTICS	SECC1	I YEAR III SEMESTER	B.COM (E-COMMERCE)
241.	PRACTICE OF LIFE INSURANCE WEB DESIGN & ANALYTICS APPLICATION OF BUSINESS ANALYTICS	SECC2	II YEAR III SEMESTER	B.COM (E-COMMERCE)
242.	INCOME TAX	BCO401	II YEAR IV SEMESTER	B.COM (E-COMMERCE)
243.	BUSINESS STATISTICS-II	BCO402	II YEAR IV SEMESTER	B.COM (E-COMMERCE)
244.	OOP WITH C++	BCO403	II YEAR IV SEMESTER	B.COM (E-COMMERCE)
245.	PRACTICE OF GENERAL INSURANCE SOCIAL MEDIA MARKETING BUSINESS INTELLIGENCE	SECC1	II YEAR IV SEMESTER	B.COM (E-COMMERCE)



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246.	REGULATION OF INSURANCE BUSINESS SEARCH ENGINE OPTIMIZATION & ONLINE ADVERTISING DATA VISUALIZATION & STORY TELLING	SECC2	II YEAR IV SEMESTER	B.COM (E-COMMERCE)
247.	COST ACCOUNTING	BCO501	III YEAR V SEMESTER	B.COM (E-COMMERCE)
248.	FINANCIAL PLANNING & PERFORMANCE	BCO501	III YEAR V SEMESTER	B.COM (E-COMMERCE)
249.	INTERNATIONAL FINANCIAL REPORTING-I	BCO501	III YEAR V SEMESTER	B.COM (E-COMMERCE)
250.	COMPUTERIZED ACCOUNTING	BC502	III YEAR V SEMESTER	B.COM (E-COMMERCE)
251.	FINANCIAL DECISION MAKING-I	BCO502	III YEAR V SEMESTER	B.COM (E-COMMERCE)
252.	INTERNATIONAL TAX & REGULATION	BCO502	III YEAR V SEMESTER	B.COM (E-COMMERCE)
253.	FUNDAMENTALS OF E- COMMERCE	BCO503	III YEAR V SEMESTER	B.COM (E-COMMERCE)
254.	ADVANCED CORPORATE ACCOUNTING	BCO503	III YEAR V SEMESTER	B.COM (E-COMMERCE)
255.	FINANCIAL MANAGEMENT	BCO503	III YEAR V SEMESTER	B.COM (E-COMMERCE)
256.	BUSINESS ECONOMICS	GE1	III YEAR V SEMESTER	B.COM (E-COMMERCE)
257.	COST CONTROL & MANAGEMENT ACCOUNTING	BCO601	III YEAR VI SEMESTER	B.COM (E-COMMERCE)
258.	FINANCIAL CONTROL	BCO601	III YEAR VI SEMESTER	B.COM (E-COMMERCE)
259.	INTERNATIONAL FINANCIAL REPORTING-II	BCO601	III YEAR VI SEMESTER	B.COM (E-COMMERCE)





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260.	THEORY & PRACTICE OF GST	BCO602	III YEAR VI SEMESTER	B.COM (E-COMMERCE)
261.	FINANCIAL DECISION MAKING- II	BCO602	III YEAR VI SEMESTER	B.COM (E-COMMERCE)
262.	INTERNATIONAL AUDITING	BCO602	III YEAR VI SEMESTER	B.COM (E-COMMERCE)
263.	BUSINESS DATA ANALYSIS	BCO603	III YEAR VI SEMESTER	B.COM (E-COMMERCE)
264.	CORPORATE GOVERNANCE	BCO603	III YEAR VI SEMESTER	B.COM (E-COMMERCE)
265.	INVESTMENT MANAGEMENT	BCO603	III YEAR VI SEMESTER	B.COM (E-COMMERCE)
266.	RESEARCH METHODOLOGY	PROJECT REPORT	III YEAR VI SEMESTER	B.COM (E-COMMERCE)
267.	FINANCIAL ACCOUNTING-I	BCO101	I YEAR I SEMESTER	B.COM (ASM)
268.	BUSINESS ORGANIZATION & MANAGEMENT	BCO102	I YEAR I SEMESTER	B.COM (ASM)
269.	MARKETING MANAGEMENT	BCO103	I YEAR I SEMESTER	B.COM (ASM)
270.	ENVIRONMENTAL SCIENCE	AECC1	I YEAR I SEMESTER	B.COM (ASM)
271.	FINANCIAL ACCOUNTING-II	BCO201	I YEAR II SEMESTER	B.COM (ASM)
272.	BUSINESS LAWS	BCO202	I YEAR II SEMESTER	B.COM (ASM)
273.	FUNDAMENTALS OF ADVERTISING	BCO203	I YEAR II SEMESTER	B.COM (ASM)
274.	BASIC COMPUTER SKILLS	AECC2	I YEAR II SEMESTER	B.COM (ASM)
275.	ADVANCED ACCOUNTING	BCO301	I YEAR III SEMESTER	B.COM (ASM)
276.	BUSINESS STATISTICS – I	BCO302	I YEAR III SEMESTER	B.COM (ASM)
277.	MEDIA MANAGEMENT	BCO303	II YEAR III SEMESTER	B.COM (ASM)
278.	PRINCIPLES OF INSURANCE FOUNDATION OF DIDGITAL MARKETINGS FUNDAMENTAL OF BUSINESS ANALYTICS	SECC1	II YEAR III SEMESTER	B.COM (ASM)



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279.	PRACTICE OF LIFE INSURANCE WEB DESIGN & ANALYTICS APPLICATION OF BUSINESS ANALYTICS	SECC2	II YEAR III SEMESTER	B.COM (ASM)
280.	INCOME TAX	BCO401	II YEAR IV SEMESTER	B.COM (ASM)
281.	BUSINESS STATISTICS-II	BCO402	II YEAR IV SEMESTER	B.COM (ASM)
282.	MARKETING RESEARCH	BCO403	II YEAR IV SEMESTER	B.COM (ASM)
283.	PRACTICE OF GENERAL INSURANCE SOCIAL MEDIA MARKETING BUSINESS INTELLIGENCE	SECC1	II YEAR IV SEMESTER	B.COM (ASM)
284.	REGULATION OF INSURANCE BUSINESS SEARCH ENGINE OPTIMIZATION & ONLINE ADVERTISING DATA VISUALIZATION & STORY TELLING	SECC2	II YEAR IV SEMESTER	B.COM (ASM)
285.	COST ACCOUNTING	BCO501	III YEAR V SEMESTER	B.COM (ASM)
286.	FINANCIAL PLANNING & PERFORMANCE	BCO501	III YEAR V SEMESTER	B.COM (ASM)
287.	INTERNATIONAL FINANCIAL REPORTING-I	BCO501	III YEAR V SEMESTER	B.COM (ASM)
288.	COMPUTERIZED ACCOUNTING	BC502	III YEAR V SEMESTER	B.COM (ASM)
289.	FINANCIAL DECISION MAKING-I	BCO502	III YEAR V SEMESTER	B.COM (ASM)
290.	INTERNATIONAL TAX & REGULATION	BCO502	III YEAR V SEMESTER	B.COM (ASM)
291.	INTERNATIONAL ADVERTISING	BCO503	III YEAR V SEMESTER	B.COM (ASM)





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292.	ADVANCED CORPORATE ACCOUNTING	BCO503	III YEAR V SEMESTER	B.COM (ASM)
293.	FINANCIAL MANAGEMENT	BCO503	III YEAR V SEMESTER	B.COM (ASM)
294.	BUSINESS ECONOMICS	GE1	III YEAR V SEMESTER	B.COM (ASM)
295.	COST CONTROL & MANAGEMENT ACCOUNTING	BCO601	III YEAR VI SEMESTER	B.COM (ASM)
296.	FINANCIAL CONTROL	BCO601	III YEAR VI SEMESTER	B.COM (ASM)
297.	INTERNATIONAL FINANCIAL REPORTING-II	BCO601	III YEAR VI SEMESTER	B.COM (ASM)
298.	THEORY & PRACTICE OF GST	BCO602	III YEAR VI SEMESTER	B.COM (ASM)
299.	FINANCIAL DECISION MAKING-II	BCO602	III YEAR VI SEMESTER	B.COM (ASM)
300.	INTERNATIONAL AUDITING	BCO602	III YEAR VI SEMESTER	B.COM (ASM)
301.	BRAND MANAGEMENT	BCO603	III YEAR VI SEMESTER	B.COM (ASM)
302.	CORPORATE GOVERNANCE	BCO603	III YEAR VI SEMESTER	B.COM (ASM)
303.	INVESTMENT MANAGEMENT	BCO603	III YEAR VI SEMESTER	B.COM (ASM)
304.	RESEARCH METHODOLOGY	PROJECT REPORT	III YEAR VI SEMESTER	B.COM (ASM)
305.	FINANCIAL ACCOUNTING-I	BCO101	I YEAR I SEMESTER	B.COM (FOREIGN TRADE)
306.	BUSINESS ORGANIZATION & MANAGEMENT	BCO102	I YEAR I SEMESTER	B.COM (FOREIGN TRADE)



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307.	INTRODUCTION TO INTERNATIONAL BUSINESS	BCO103	I YEAR I SEMESTER	B.COM (FOREIGN TRADE)
308.	ENVIRONMENTAL SCIENCE	AECC1	I YEAR I SEMESTER	B.COM (FOREIGN TRADE)
309.	FINANCIAL ACCOUNTING-II	BCO201	I YEAR II SEMESTER	B.COM (FOREIGN TRADE)
310.	BUSINESS LAWS	BCO202	I YEAR II SEMESTER	B.COM (FOREIGN TRADE)
311.	EXPORT MARKETING	BCO203	I YEAR II SEMESTER	B.COM (FOREIGN TRADE)
312.	BASIC COMPUTER SKILLS	AECC2	I YEAR II SEMESTER	B.COM (FOREIGN TRADE)
313.	ADVANCED ACCOUNTING	BCO301	II YEAR III SEMESTER	B.COM (FOREIGN TRADE)
314.	BUSINESS STATISTICS – I	BCO302	II YEAR III SEMESTER	B.COM (FOREIGN TRADE)
315.	INTERNATIONAL BUSINESS PROCEDURES & DOCUMENTATION	BCO303	II YEAR III SEMESTER	B.COM (FOREIGN TRADE)
316.	PRINCIPLES OF INSURANCE	SECC1	II YEAR III SEMESTER	B.COM (FOREIGN TRADE)
317.	FOUNDATION OF DIGITAL MARKETINGS	SECC1	II YEAR III SEMESTER	B.COM (FOREIGN TRADE)
318.	FUNDAMENTAL OF BUSINESS ANALYTICS	SECC1	II YEAR III SEMESTER	B.COM (FOREIGN TRADE)
319.	PRACTICE OF LIFE INSURANCE	SECC2	II YEAR III SEMESTER	B.COM (FOREIGN TRADE)
320.	WEB DESIGN & ANALYTICS	SECC2	II YEAR III SEMESTER	B.COM (FOREIGN TRADE)
321.	APPLICATION OF BUSINESS ANALYTICS	SECC2	II YEAR III SEMESTER	B.COM (FOREIGN TRADE)
322.	INCOME TAX	BCO401	II YEAR IV SEMESTER	B.COM (FOREIGN TRADE)
323.	BUSINESS STATISTICS-II	BCO402	II YEAR IV SEMESTER	B.COM (FOREIGN TRADE)
324.	CORPORATE ACCOUNTING	BCO403	II YEAR IV SEMESTER	B.COM (FOREIGN TRADE)
325.	PRACTICE OF GENERAL INSURANCE	SECC1	II YEAR IV SEMESTER	B.COM (FOREIGN TRADE)
326.	SOCIAL MEDIA MARKETING	SECC1	II YEAR IV SEMESTER	B.COM (FOREIGN TRADE)





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327.	BUSINESS INTELLIGENCE	SECC1	II YEAR IV SEMESTER	B.COM (FOREIGN TRADE)
328.	REGULATION OF INSURANCE BUSINESS	SECC2	II YEAR IV SEMESTER	B.COM (FOREIGN TRADE)
329.	SEARCH ENGINE OPTIMIZATION & ONLINE ADVERTISING	SECC2	II YEAR IV SEMESTER	B.COM (FOREIGN TRADE)
330.	DATA VISUALIZATION & STORY TELLING	SECC2	II YEAR IV SEMESTER	B.COM (FOREIGN TRADE)
331.	COST ACCOUNTING	BCO501	III YEAR V SEMESTER	B.COM (FOREIGN TRADE)
332.	FINANCIAL PLANNING & PERFORMANCE	BCO501	III YEAR V SEMESTER	B.COM (FOREIGN TRADE)
333.	INTERNATIONAL FINANCIAL REPORTING-I	BCO501	III YEAR V SEMESTER	B.COM (FOREIGN TRADE)
334.	COMPUTERIZED ACCOUNTING	BC502	III YEAR V SEMESTER	B.COM (FOREIGN TRADE)
335.	FINANCIAL DECISION MAKING-I	BCO502	III YEAR V SEMESTER	B.COM (FOREIGN TRADE)
336.	INTERNATIONAL TAX & REGULATION	BCO502	III YEAR V SEMESTER	B.COM (FOREIGN TRADE)
337.	LOGISTICS MANAGEMENT	BCO503	III YEAR V SEMESTER	B.COM (FOREIGN TRADE)
338.	ADVANCED CORPORATE ACCOUNTING	BCO503	III YEAR V SEMESTER	B.COM (FOREIGN TRADE)
339.	FINANCIAL MANAGEMENT	BCO503	III YEAR V SEMESTER	B.COM (FOREIGN TRADE)
340.	BUSINESS ECONOMICS	GE1	III YEAR V SEMESTER	B.COM (FOREIGN TRADE)
341.	COST CONTROL & MANAGEMENT ACCOUNTING	BCO601	III YEAR VI SEMESTER	B.COM (FOREIGN TRADE)
342.	FINANCIAL CONTROL	BCO601	III YEAR VI SEMESTER	B.COM (FOREIGN TRADE)
343.	INTERNATIONAL FINANCIAL REPORTING-II	BCO601	III YEAR VI SEMESTER	B.COM (FOREIGN TRADE)



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344.	THEORY & PRACTICE OF GST	BCO602	III YEAR VI SEMESTER	B.COM (FOREIGN TRADE)
345.	FINANCIAL DECISION MAKING- II	BCO602	III YEAR VI SEMESTER	B.COM (FOREIGN TRADE)
346.	INTERNATIONAL AUDITING	BCO602	III YEAR VI SEMESTER	B.COM (FOREIGN TRADE)
347.	CROSS CULTURE CONSUMER & INDUSTRIAL BUYER BEHAVIOUR	BCO603	III YEAR VI SEMESTER	B.COM (FOREIGN TRADE)
348.	CORPORATE GOVERNANCE	BCO603	III YEAR VI SEMESTER	B.COM (FOREIGN TRADE)
349.	INVESTMENT MANAGEMENT	BCO603	III YEAR VI SEMESTER	B.COM (FOREIGN TRADE)
350.	RESEARCH METHODOLOGY	PROJECT REPORT	III YEAR VI SEMESTER	B.COM (FOREIGN TRADE)
351.	FINANCIAL ACCOUNTING-I	BCO101	I YEAR I SEMESTER	B.COM (TAX PRACTICE)
352.	BUSINESS ORGANIZATION & MANAGEMENT	BCO102	I YEAR I SEMESTER	B.COM (TAX PRACTICE)
353.	INCOME TAX-I	BCO103	I YEAR I SEMESTER	B.COM (TAX PRACTICE)
354.	ENVIRONMENTAL SCIENCE	AECC1	I YEAR I SEMESTER	B.COM (TAX PRACTICE)
355.	FINANCIAL ACCOUNTING-II	BCO201	I YEAR II SEMESTER	B.COM (TAX PRACTICE)
356.	BUSINESS LAWS	BCO202	I YEAR II SEMESTER	B.COM (TAX PRACTICE)
357.	INCOME TAX-II	BCO203	I YEAR II SEMESTER	B.COM (TAX PRACTICE)
358.	BASIC COMPUTER SKILLS	AECC2	I YEAR II SEMESTER	B.COM (TAX PRACTICE)
359.	ADVANCED ACCOUNTING	BCO301	II YEAR III SEMESTER	B.COM (TAX PRACTICE)
360.	BUSINESS STATISTICS – I	BCO302	II YEAR III SEMESTER	B.COM (TAX PRACTICE)
361.	ASSESSMENT OF OTHER ENTITIES	BCO303	II YEAR III SEMESTER	B.COM (TAX PRACTICE)
362.	PRINCIPLES OF INSURANCE	SECC1	II YEAR III SEMESTER	B.COM (TAX PRACTICE)





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363.	FOUNDATION OF DIDGITAL MARKETINGS	SECC1	II YEAR III SEMESTER	B.COM (TAX PRACTICE)
364.	FUNDAMENTAL OF BUSINESS ANALYTICS	SECC1	II YEAR III SEMESTER	B.COM (TAX PRACTICE)
365.	PRACTICE OF LIFE INSURANCE	SECC2	II YEAR III SEMESTER	B.COM (TAX PRACTICE)
366.	WEB DESIGN & ANALYTICS	SECC2	II YEAR III SEMESTER	B.COM (TAX PRACTICE)
367.	APPLICATION OF BUSINESS ANALYTICS	SECC2	II YEAR III SEMESTER	B.COM (TAX PRACTICE)
368.	EXCEL FOUNDATION	BCO401	II YEAR IV SEMESTER	B.COM (TAX PRACTICE)
369.	BUSINESS STATISTICS-II	BCO402	II YEAR IV SEMESTER	B.COM (TAX PRACTICE)
370.	CUSTOMS PROCEDURES & PRACTICE	BCO403	II YEAR IV SEMESTER	B.COM (TAX PRACTICE)
371.	PRACTICE OF GENERAL INSURANCE SOCIAL MEDIA MARKETING BUSINESS INTELLIGENCE	SECC1	II YEAR IV SEMESTER	B.COM (TAX PRACTICE)
372.	REGULATION OF INSURANCE BUSINESS	SECC2	II YEAR IV SEMESTER	B.COM (TAX PRACTICE)
373.	SEARCH ENGINE OPTIMIZATION & ONLINE ADVERTISING	SECC2	II YEAR IV SEMESTER	B.COM (TAX PRACTICE)
374.	DATA VISUALIZATION & STORY TELLING	SECC2	II YEAR IV SEMESTER	B.COM (TAX PRACTICE)
375.	COST ACCOUNTING	BCO501	III YEAR V SEMESTER	B.COM (TAX PRACTICE)
376.	FINANCIAL PLANNING & PERFORMANCE	BCO501	III YEAR V SEMESTER	B.COM (TAX PRACTICE)
377.	INTERNATIONAL FINANCIAL REPORTING-I	BCO501	III YEAR V SEMESTER	B.COM (TAX PRACTICE)



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378.	COMPUTERIZED ACCOUNTING	BC502	III YEAR V SEMESTER	B.COM (TAX PRACTICE)
379.	FINANCIAL DECISION MAKING-I	BCO502	III YEAR V SEMESTER	B.COM (TAX PRACTICE)
380.	INTERNATIONAL TAX & REGULATION	BCO502	III YEAR V SEMESTER	B.COM (TAX PRACTICE)
381.	TAX PLANNING & MANAGEMENT	BCO503	III YEAR V SEMESTER	B.COM (TAX PRACTICE)
382.	ADVANCED CORPORATE ACCOUNTING	BCO503	III YEAR V SEMESTER	B.COM (TAX PRACTICE)
383.	FINANCIAL MANAGEMENT	BCO503	III YEAR V SEMESTER	B.COM (TAX PRACTICE)
384.	BUSINESS ECONOMICS	GE1	III YEAR V SEMESTER	B.COM (TAX PRACTICE)
385.	COST CONTROL & MANAGEMENT ACCOUNTING	BCO601	III YEAR VI SEMESTER	B.COM (TAX PRACTICE)
386.	FINANCIAL CONTROL	BCO601	III YEAR VI SEMESTER	B.COM (TAX PRACTICE)
387.	INTERNATIONAL FINANCIAL REPORTING-II	BCO601	III YEAR VI SEMESTER	B.COM (TAX PRACTICE)
388.	THEORY & PRACTICE OF GST	BCO602	III YEAR VI SEMESTER	B.COM (TAX PRACTICE)
389.	FINANCIAL DECISION MAKING- II	BCO602	III YEAR VI SEMESTER	B.COM (TAX PRACTICE)
390.	INTERNATIONAL AUDITING	BCO602	III YEAR VI SEMESTER	B.COM (TAX PRACTICE)
391.	INTERNATIONAL TAX & REGULATIONS	BCO603	III YEAR VI SEMESTER	B.COM (TAX PRACTICE)
392.	CORPORATE GOVERNANCE	BCO603	III YEAR VI SEMESTER	B.COM (TAX PRACTICE)
393.	INVESTMENT MANAGEMENT	BCO603	III YEAR VI SEMESTER	B.COM (TAX PRACTICE)





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394.	RESEARCH METHODOLOGY	PROJECT REPORT	III YEAR VI SEMESTER	B.COM (TAX PRACTICE)
395.	MANAGERIAL ECONOMICS	COM1: CORE-I	I YEAR I SEMESTER	M.COM
396.	PRINCIPAL OF MARKETING	COM2: CORE-2	I YEAR I SEMESTER	M.COM
397.	OT & OB	COM3: CORE-2I	I YEAR I SEMESTER	M.COM
398.	FINANCIAL MANAGEMENT	COM4: ELECTIVE-I	I YEAR I SEMESTER	M.COM
399.	ACCOUNTING STANDARDS	COM5: ELECTIVE-2	I YEAR I SEMESTER	M.COM
400.	BUSINESS ENVIRONMENT & POLICY	COM6: CORE-I	I YEAR II SEMESTER	M.COM
401.	MARKETING MANAGEMENT	COM7: CORE-2	I YEAR II SEMESTER	M.COM
402.	HUMAN RESOURCES MANAGEMENT	COM8: CORE-2I	I YEAR II SEMESTER	M.COM
403.	INVESTMENT MANAGEMENT	COM9: ELECTIVE-I	I YEAR II SEMESTER	M.COM
404.	ADVANCED MANAGERIAL ACCOUNTING	COM10: ELECTIVE-2	I YEAR II SEMESTER	M.COM
405.	RESEARCH METHODOLOGY & STATISTICAL ANALYSIS	COM11: CORE-I	II YEAR III SEMESTER	M.COM
406.	E- COMMERCE	COM12: CORE-2	II YEAR III SEMESTER	M.COM
407.	COST ACCOUNTING & CONTROL	COM13: CORE-2I	II YEAR III SEMESTER	M.COM



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408.	INTERNATIONAL FINANCIAL MANAGEMENT	COM14: ELECTIVE-I	II YEAR III SEMESTER	M.COM
409.	SECURITY ANALYSIS & PORTFOLIO MANAGEMENT	COM15: ELECTIVE-2	II YEAR III SEMESTER	M.COM
410.	BUSINESS ORGANISATION & MANAGEMENT	ID PAPER	II YEAR III SEMESTER	M.COM
411.	-	SEMINAR	II YEAR III SEMESTER	M.COM
412.	QUANTITATIVE TECHNIQUES FOR BUSINESS DECISIONS	COM16: CORE-I	II YEAR IV SEMESTER	M.COM
413.	BUSINESS & COOPERATIVE TAXATION	COM17: CORE-2	II YEAR IV SEMESTER	M.COM
414.	STRATEGIC MANAGEMENT	COM18: CORE-2I	II YEAR IV SEMESTER	M.COM
415.	FINANCIAL SERVICE	COM19: ELECTIVE-I	II YEAR IV SEMESTER	M.COM
416.	FINANCIAL DERIVATION	COM3L20: ELECTIVE-2	II YEAR IV SEMESTER	M.COM
417.	PROJECT WORK	COM21	II YEAR IV SEMESTER	M.COM
418.	SEMINAR	SEMINAR	II YEAR IV SEMESTER	M.COM
419.	ACCOUNTING STANDARD AND REPORTING	MCIS 1: CORE I	I YEAR I SEMESTER	M.COM (IS)
420.	FINANCIAL MANAGEMENT	MCIS 2: CORE II	I YEAR I SEMESTER	M.COM (IS)
421.	ORGANIZATION THEORY AND BEHAVIOUR	MCIS 3: CORE III	I YEAR I SEMESTER	M.COM (IS)
422.	BUSINESS INFORMATION SYSTEM	MCIS 4: ELECTIVE I	I YEAR I SEMESTER	M.COM (IS)





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423.	OBJECT ORIENTED PROGRAMMING USING C++	MCIS 5 ELECTIVE II	I YEAR I SEMESTER	M.COM (IS)
424.	SEMINAR	SEMINARS	I YEAR I SEMESTER	M.COM (IS)
425.	ADVANCE MANAGERIAL ACCOUNTING	MCIS 6 CORE I	I YEAR II SEMESTER	M.COM (IS)
426.	INVESTMENT MANAGEMENT	MCIS 7 CORE II	I YEAR II SEMESTER	M.COM (IS)
427.	HIMAN RESOURCES MANAGEMENT	MCIS 8 CORE III	I YEAR II SEMESTER	M.COM (IS)
428.	E-COMMERCE	MCIS 9 ELECTIVE I	I YEAR II SEMESTER	M.COM (IS)
429.	RELATION DATA BASE MANAGEMENT SYSTEM	MCIS 10 ELECTIVE II	I YEAR II SEMESTER	M.COM (IS)
430.	RESEARCH METHODOLOGY AND STATISTICAL ANALYSIS	MCIS 11 CORE I	II YEAR III SEMESTER	M.COM (IS)
431.	MARKETING MANAGEMENT	MCIS 12 CORE II	II YEAR III SEMESTER	M.COM (IS)
432.	COST ACCOUNTING AND CONTROL	MCIS 13 CORE III	II YEAR III SEMESTER	M.COM (IS)
433.	DATA COMMUNICATION AND NETWORK	MCIS 14 ELECTIVE I	II YEAR III SEMESTER	M.COM (IS)
434.	ADVANCE EXCEL	MCIS 15 ELECTIVE II	II YEAR III SEMESTER	M.COM (IS)
435.	BUSINESS ORGANISATION AND MANAGEMENT	ID PAPER	II YEAR III SEMESTER	M.COM (IS)
436.	SEMINAR	SEMINAR	II YEAR III SEMESTER	M.COM (IS)
437.	ERP	MCIS 16 CORE I	II YEAR IV SEMESTER	M.COM (IS)



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438.	BUSINESS AND CORPORATE TAXATION	MCIS 17 CORE II	II YEAR IV SEMESTER	M.COM (IS)
439.	ME & BEP	MCIS 18 CORE III	II YEAR IV SEMESTER	M.COM (IS)
440.	BUSINESS DECISION USING SPSS	MCIS 19 ELECTIVE I	II YEAR IV SEMESTER	M.COM (IS)
441.	WEB DESIGNING	MCIS 20 ELECTIVE II	II YEAR IV SEMESTER	M.COM (IS)
442.	PROJECT WORK	MCIS 21	II YEAR IV SEMESTER	M.COM (IS)
443.	SEMINAR	SEMINAR	II YEAR IV SEMESTER	M.COM (IS)
444.	CHEMISTRY-I PR	6109P	I YEAR I SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
445.	ENVIRONMENTAL SCIENCE	A6109	I YEAR I SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
446.	CHEMISTRY-II	6209	I YEAR II SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
447.	CHEMISTRY-II PR	6209P	I YEAR II SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
448.	BASIC COMPUTER SKILLS	16209	I YEAR II SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
449.	CHEMISTRY-III	6309	II YEAR III SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
450.	CHEMISTRY-III PR	6309P	II YEAR III SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
451.	RULES IN CHEMISTRY LAB	A6309	II YEAR III SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
452.	CHEMISTRY-IV	6409	II YEAR IV SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)





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453.	CHEMISTRY-IV PR	6409P	II YEAR IV SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
454.	PREPARATION OF CHEMISTRY LAB REAGENTS	16409	II YEAR IV SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
455.	CHEMISTRY-V	6509	III YEAR V SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
456.	CHEMISTRY-V PR	6509P	III YEAR V SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
457.	CHEMISTRY-VI	6609	III YEAR VI SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
458.	CHEMISTRY-VI PR	6609P	III YEAR VI SEMESTER	BSC (NZC, BZC, BTBC, BTMBC, MPC)
459.	INORGANIC CHEMISTRY	511	I YEAR I SEMESTER	MSC (CHEMISTRY)
460.	ORGANIC CHEMISTRY	512	I YEAR I SEMESTER	MSC (CHEMISTRY)
461.	PHYSICAL CHEMISTRY	513	I YEAR I SEMESTER	MSC (CHEMISTRY)
462.	ANALYTICAL TECHNIQUES AND SPECTROSCOPY-1	514	I YEAR I SEMESTER	MSC (CHEMISTRY)
463.	COMMUNICATIVE ENGLISH SOFT SKILLS	116	I YEAR I SEMESTER	MSC (CHEMISTRY)
464.	INORGANIC CHEMISTRY PR	515P	I YEAR I SEMESTER	MSC (CHEMISTRY)
465.	ORGANIC CHEMISTRY PR	516P	I YEAR I SEMESTER	MSC (CHEMISTRY)
466.	PHYSICAL CHEMISTRY PR	517P	I YEAR I SEMESTER	MSC (CHEMISTRY)
467.	INORGANIC CHEMISTRY	521	I YEAR II SEMESTER	MSC (CHEMISTRY)
468.	ORGANIC CHEMISTRY	522	I YEAR II SEMESTER	MSC (CHEMISTRY)
469.	PHYSICAL CHEMISTRY	523	I YEAR II SEMESTER	MSC (CHEMISTRY)
470.	ANALYTICAL TECHNIQUES AND SPECTROSCOPY- II	524	I YEAR II SEMESTER	MSC (CHEMISTRY)
471.	HUMAN VALUES AND	126	I YEAR II SEMESTER	MSC (CHEMISTRY)



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	PROFESSIONAL ETHICS			
472.	INORGANIC CHEMISTRY PR	525P	I YEAR II SEMESTER	MSC (CHEMISTRY)
473.	ORGANIC CHEMISTRY PR	526P	I YEAR II SEMESTER	MSC (CHEMISTRY)
474.	PHYSICAL CHEMISTRY PR	527P	I YEAR II SEMESTER	MSC (CHEMISTRY)
475.	SYNTHETIC REAGENTS, ADVANCED NMR, CONFORMATIONAL ANALYSIS AND ORD	531	II YEAR III SEMESTER	MSC (CHEMISTRY)
476.	MODERN ORGANIC SYNTHESIS	532	II YEAR III SEMESTER	MSC (CHEMISTRY)
477.	BIO ORGANIC CHEMISTRY	533	II YEAR III SEMESTER	MSC (CHEMISTRY)
478.	GREEN CHEMISTRY AND ORGANIC MATERIALS	534	II YEAR III SEMESTER	MSC (CHEMISTRY)
479.	BIO-TECHNOLOGY AND HEALTH CARE	535	II YEAR III SEMESTER	MSC (CHEMISTRY)
480.	SEMINAR	SEMINAR	II YEAR III SEMESTER	MSC (CHEMISTRY)
481.	SYNTHESIS OF ORGANIC MOLECULES, ISOLATION OF NATURAL PRODUCTS AND TLC PR	536P	II YEAR III SEMESTER	MSC (CHEMISTRY)
482.	SEPARATION AND IDENTIFICATION OF ORGANIC COMPOUNDS AND COLUMN CHROMATOGRAPHY PR	537P	II YEAR III SEMESTER	MSC (CHEMISTRY)
483.	DRUG DESIGN AND DRUG DISCOVERY	541	II YEAR IV SEMESTER	MSC (CHEMISTRY)
484.	DRUG SYNTHESIS AND MECHANISM OF ACTION	542	II YEAR IV SEMESTER	MSC (CHEMISTRY)
485.	ADVANCED HETEROCYCLIC	543	II YEAR IV SEMESTER	MSC (CHEMISTRY)





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	CHEMISTRY			
486.	ADVANCED NATURAL PRODUCTS	544	II YEAR IV SEMESTER	MSC (CHEMISTRY)
487.	FOOD MICROBIOLOGY	545	II YEAR IV SEMESTER	MSC (CHEMISTRY)
488.	SEMINAR	SEMINAR	II YEAR IV SEMESTER	MSC (CHEMISTRY)
489.	SPECTROSCOPIC IDENTIFICATION OF ORGANIC COMPOUNDS AND PRACTICE OF CHEMISTRY SOFTWARE PROGRAMMES PR	546P	II YEAR IV SEMESTER	MSC (CHEMISTRY)
490.	SYNTHESIS AND ANALYSIS OF DRUGS PR	547P	II YEAR IV SEMESTER	MSC (CHEMISTRY)
491.	MATHEMATICS-I	7141	I YEAR I SEMESTER	BSC (CSE)
492.	ECM	7142	I YEAR I SEMESTER	BSC (CSE)
493.	ECM-LAB	7142P	I YEAR I SEMESTER	BSC (CSE)
494.	IIT	7143	I YEAR I SEMESTER	BSC (CSE)
495.	IIT-LAB	7143P	I YEAR I SEMESTER	BSC (CSE)
496.	PROGRAMMING IN C	7144	I YEAR I SEMESTER	BSC (CSE)
497.	PROGRAMMING IN C-LAB	7144P	I YEAR I SEMESTER	BSC (CSE)
498.	INTRODUCTION TO INTERNET	A7145	I YEAR I SEMESTER	BSC (CSE)
499.	MATHEMATICS-II	7246	I YEAR II SEMESTER	BSC (CSE)
500.	PHYSICS	7247	I YEAR II SEMESTER	BSC (CSE)
501.	PHYSICS-LAB	7247P	I YEAR II SEMESTER	BSC (CSE)
502.	EDC	7248	I YEAR II SEMESTER	BSC (CSE)
503.	EDC-LAB	7248P	I YEAR II SEMESTER	BSC (CSE)
504.	PROG. IN UNIX	7249	I YEAR II SEMESTER	BSC (CSE)
505.	PROG. IN UNIX-LAB	7249P	I YEAR II SEMESTER	BSC (CSE)



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506.	FUNDAMENTALS OF COMPUTING	17250	I YEAR II SEMESTER	BSC (CSE)
507.	MATHEMATICS-III	7352	II YEAR III SEMESTER	BSC (CSE)
508.	DLD	7353	II YEAR III SEMESTER	BSC (CSE)
509.	DLD-LAB	7353P	II YEAR III SEMESTER	BSC (CSE)
510.	OS	7354	II YEAR III SEMESTER	BSC (CSE)
511.	OS-LAB	7354P	II YEAR III SEMESTER	BSC (CSE)
512.	OOP-C++	7355	II YEAR III SEMESTER	BSC (CSE)
513.	OOP-C++-LAB	7355P	II YEAR III SEMESTER	BSC (CSE)
514.	M-COMMERCE	A7356	II YEAR III SEMESTER	BSC (CSE)
515.	PROBABILITY & STATS.	7456	II YEAR IV SEMESTER	BSC (CSE)
516.	DATA STRUCTURES	7457	II YEAR IV SEMESTER	BSC (CSE)
517.	DATA STRUCTURES-LAB	7457P	II YEAR IV SEMESTER	BSC (CSE)
518.	MP8086 & INTERFACING	7458	II YEAR IV SEMESTER	BSC (CSE)
519.	MP8086 – LAB	7458P	II YEAR IV SEMESTER	BSC (CSE)
520.	PROG. IN JAVA	7459	II YEAR IV SEMESTER	BSC (CSE)
521.	PROG. IN JAVA-LAB	7459P	II YEAR IV SEMESTER	BSC (CSE)
522.	BASICS OF PROGRAMMING	17460	II YEAR IV SEMESTER	BSC (CSE)
523.	COMP. NET	7561	III YEAR V SEMESTER	BSC (CSE)
524.	COMPILER CONSTRUCTION	7562	III YEAR V SEMESTER	BSC (CSE)
525.	OBJECT ORIENTED ANALYSIS & DESIGN	7563	III YEAR V SEMESTER	BSC (CSE)
526.	OBJECT ORIENTED ANALYSIS & DESIGN LAB	7563P	III YEAR V SEMESTER	BSC (CSE)
527.	MDBMS	7564	III YEAR V SEMESTER	BSC (CSE)
528.	MDBMS-LAB	7564P	III YEAR V SEMESTER	BSC (CSE)
529.	PHP & MYSQL	A7565	III YEAR V SEMESTER	BSC (CSE)
530.	INFORMATION TECHNOLOGIES	GE1	III YEAR V SEMESTER	BSC (CSE)





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531.	INTERNET OF THINGS	7666	III YEAR VI SEMESTER	BSC (CSE)
532.	WEB PROGRAMMING	7667	III YEAR VI SEMESTER	BSC (CSE)
533.	WEB PROG-LAB	7667P	III YEAR VI SEMESTER	BSC (CSE)
534.	INTRODUCTION TO DATA SCIENCE & PYTHON PROGRAMMING	7668	III YEAR VI SEMESTER	BSC (CSE)
535.	INTRODUCTION TO DATA SCIENCE & PYTHON PROGRAMMING LAB	7668P	III YEAR VI SEMESTER	BSC (CSE)
536.	PROJECT/SEMINAR	7670	III YEAR VI SEMESTER	BSC (CSE)
537.	BASIC WEB DESIGNING	GE2	III YEAR VI SEMESTER	BSC (CSE)
538.	PROGRAMMING IN C	6110	I YEAR II SEMESTER	BSC (MECS, MPC)
539.	PROGRAMMING IN C LAB	6110P	I YEAR II SEMESTER	BSC (MECS, MPC)
540.	ENVIRONMENTAL SCIENCES	A6110	I YEAR II SEMESTER	BSC (MECS, MPC)
541.	PROGRAMMING IN C++	6210	I YEAR II SEMESTER	BSC (MECS, MPC)
542.	PROGRAMMING IN C++ LAB	6210P	I YEAR II SEMESTER	BSC (MECS, MPC)
543.	BASIC COMPUTER SKILLS	I6210	I YEAR II SEMESTER	BSC (MECS, MPC)
544.	DATA STRUCTURES	6310	II YEAR III SEMESTER	BSC (MECS, MPC)
545.	DATA STRUCTURES LAB	6310P	II YEAR III SEMESTER	BSC (MECS, MPC)
546.	PYTHON-I SOFTWARE ENGINEERING	A6310	II YEAR III SEMESTER	BSC (MECS, MPC)
547.	DBMS	6410	II YEAR IV SEMESTER	BSC (MECS, MPC)
548.	DBMS LAB	6410P	II YEAR IV SEMESTER	BSC (MECS, MPC)



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549.	PYTHON-II DATA SCIENCE	I6410	II YEAR IV SEMESTER	BSC (MECS, MPC)
550.	PROGRAMMING IN JAVA OPERATING SYSTEMS	6510	III YEAR V SEMESTER	BSC (MECS, MPC)
551.	PROGRAMMING IN JAVA LAB OPERATING SYSTEMS LAB	6510P	III YEAR V SEMESTER	BSC (MECS, MPC)
552.	SOFTWARE ENGINEERING INFORMATION TECHNOLOGY	A6510	III YEAR V SEMESTER	BSC (MECS, MPC)
553.	WEB TECHNOLOGY COMPUTER NETWORKS	6610	III YEAR VI SEMESTER	BSC (MECS, MPC)
554.	WB LAB COMPUTER NETWORKS LAB	6610P	III YEAR VI SEMESTER	BSC (MECS, MPC)
555.	DATA SCIENCE INFORMATION TECHNOLOGY	I6610	III YEAR VI SEMESTER	BSC (MECS, MPC)
556.	MICRO ECONOMICS	1111	I YEAR I SEMESTER	BA (EPP)
557.	ENVIRONMENTAL SCIENCE	A1111	I YEAR I SEMESTER	BA (EPP)
558.	MACRO ECONOMICS	1211	I YEAR II SEMESTER	BA (EPP)
559.	BASIC COMPUTER SKILLS	11211	I YEAR II SEMESTER	BA (EPP)
560.	STATISTICS FOR ECONOMICS	1311	II YEAR III SEMESTER	BA (EPP)
561.	MONEY AND BANKING ENVIRONMENTAL ECONOMICS	A1111	II YEAR III SEMESTER	BA (EPP)
562.	INDIAN ECONOMY	1411	II YEAR IV SEMESTER	BA (EPP)
563.	INDUSTRIAL ECONOMICS ENTREPRENEURSHIP & DEVELOPMENT	11211	II YEAR IV SEMESTER	BA (EPP)
564.	DEVELOPMENT ECONOMICS	1511	III YEAR V SEMESTER	BA (EPP)
565.	RURAL DEVELOPMENT	A1111	III YEAR V SEMESTER	BA (EPP)





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566.	INTERNATIONAL ECONOMICS	1611	III YEAR VI SEMESTER	BA (EPP)
567.	FINANCIAL ECONOMICS	11211	III YEAR VI SEMESTER	BA (EPP)
568.	CIRCUIT ANALYSIS	6112	I YEAR I SEMESTER	BSC (MECS, MPE)
569.	CIRCUIT ANALYSIS PR	6112P	I YEAR I SEMESTER	BSC (MECS, MPE)
570.	ENVIRONMENTAL SCIENCES	A6112	I YEAR I SEMESTER	BSC (MECS, MPE)
571.	ELECTRONIC DEVICES	6212	I YEAR II SEMESTER	BSC (MECS, MPE)
572.	ELECTRONIC DEVICES PR	6212P	I YEAR II SEMESTER	BSC (MECS, MPE)
573.	BASIC COMPUTER SKILLS	16212	I YEAR II SEMESTER	BSC (MECS, MPE)
574.	POWER SUPPLIES & ANALOG CIRCUITS	6312	II YEAR III SEMESTER	BSC (MECS, MPE)
575.	POWER SUPPLIES & ANALOG CIRCUITS PR	6312P	II YEAR III SEMESTER	BSC (MECS, MPE)
576.	DIGITAL SIGNAL PROCESSING MODERN COMMUNICATION SYSTEMS	A6312	II YEAR III SEMESTER	BSC (MECS, MPE)
577.	APPLICATION OF OPERATIONAL AMPLIFIERS & COMMUNICATION	6412	II YEAR IV SEMESTER	BSC (MECS, MPE)
578.	APPLICATION OF OPERATIONAL AMPLIFIERS & COMMUNICATION PR	6412P	II YEAR IV SEMESTER	BSC (MECS, MPE)
579.	PIC & ATMEL MICROCONTROLLERS MICROPROCESSOR & MICROCONTROLLER	16412	II YEAR IV SEMESTER	BSC (MECS, MPE)



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580.	DIGITAL ELECTRONICS MICROPROCESSOR-INTEL 8085	6512	III YEAR V SEMESTER	BSC (MECS, MPE)
581.	DIGITAL ELECTRONICS MICROPROCESSOR-INTEL 8085 PR	6512P	III YEAR V SEMESTER	BSC (MECS, MPE)
582.	INFORMATION TECHNOLOGY-I	A6512	III YEAR V SEMESTER	BSC (MECS, MPE)
583.	FUNDAMENTALS OF EMBEDDED SYSTEMS & MICROCONTROLLER	6612	III YEAR VI SEMESTER	BSC (MECS, MPE)
584.	FUNDAMENTALS OF EMBEDDED SYSTEMS & MICROCONTROLLER PR	6612P	III YEAR VI SEMESTER	BSC (MECS, MPE)
585.	INFORMATION TECHNOLOGY-II	16612	III YEAR VI SEMESTER	BSC (MECS, MPE)
586.	ENGLISH-I	ELS-1	I YEAR I SEMESTER	BA, B.COM, BSC, BBA, BBM
587.	ENGLISH-II	ELS-2	I YEAR II SEMESTER	BA, B.COM, BSC, BBA, BBM
588.	ENGLISH-III	ELS-3	II YEAR III SEMESTER	BA, B.COM, BSC, BBA, BBM
589.	ENGLISH-IV	ELS-4	II YEAR IV SEMESTER	BA, B.COM, BSC, BBA, BBM
590.	ENGLISH-V	ELS-5	III YEAR V SEMESTER	BA, B.COM, BSC, BBA, BBM
591.	ENGLISH-VI	ELS-5	III YEAR VI SEMESTER	BA, B.COM, BSC, BBA, BBM
592.	THE ENGLISH LANGUAGE: HISTORY, DESCRIPTION AND PRACTICE	101	I YEAR I SEMESTER	MA (ENGLISH)
593.	ENGLISH POETRY	102	I YEAR I SEMESTER	MA (ENGLISH)
594.	ENGLISH DRAMA	103	I YEAR I SEMESTER	MA (ENGLISH)





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595.	ENGLISH LANGUAGE AND PHONETICS	104	I YEAR I SEMESTER	MA (ENGLISH)
596.	MODERN INDIAN LITERATURES IN TRANSLATION	105	I YEAR I SEMESTER	MA (ENGLISH)
597.	ENGLISH LANGUAGE TEACHING HISTORY, APPROACHES AND METHODS	201	I YEAR II SEMESTER	MA (ENGLISH)
598.	ENGLISH PROSE	202	I YEAR II SEMESTER	MA (ENGLISH)
599.	ENGLISH FICTION	203	I YEAR II SEMESTER	MA (ENGLISH)
600.	WOMEN'S WRITING	204	I YEAR II SEMESTER	MA (ENGLISH)
601.	TWENTIETH CENTURY LITERARY CRITICISM AND THEORY	205	I YEAR II SEMESTER	MA (ENGLISH)
602.	ENGLISH LANGUAGE TEACHING CLASSROOM TECHNIQUES AND PRACTICAL ENGLISH	301	II YEAR III SEMESTER	MA (ENGLISH)
603.	AMERICAN LITERATURE	302	II YEAR III SEMESTER	MA (ENGLISH)
604.	INDIAN WRITING IN ENGLISH-I	303	II YEAR III SEMESTER	MA (ENGLISH)
605.	POSTCOLONIAL LITERATURES	304	II YEAR III SEMESTER	MA (ENGLISH)
606.	LITERATURE AND FILM	305	II YEAR III SEMESTER	MA (ENGLISH)
607.	ENGLISH LANGUAGE TEACHING- MAJOR DEVELOPMENTS IN L1 & L2	401	II YEAR IV SEMESTER	MA (ENGLISH)
608.	AMERICAN LITERATURE	402	II YEAR IV SEMESTER	MA (ENGLISH)
609.	ENGLISH WRITING IN ENGLISH	403	II YEAR IV SEMESTER	MA (ENGLISH)
610.	ACADEMIC WRITING & RESEARCH METHODOLOGY FOURTH WORLD LITERATURE	404	II YEAR IV SEMESTER	MA (ENGLISH)
611.	PROJECT WORK	405	II YEAR IV SEMESTER	MA (ENGLISH)



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612.	HINDI-I	SL0104	I YEAR I SEMESTER	BA B.COM BSC BBA BBM
613.	HINDI-II	SL0204	I YEAR II SEMESTER	BA B.COM BSC BBA BBM
614.	HINDI-III	SL0304	II YEAR III SEMESTER	BA B.COM BSC BBA BBM
615.	HINDI-IV	SL0404	II YEAR IV SEMESTER	BA B.COM BSC BBA BBM
616.	HINDI-V	SL0405	III YEAR V SEMESTER	BA B.COM BSC BBA BBM
617.	HINDI-VI	SL0406	III YEAR VI SEMESTER	BA B.COM BSC BBA BBM
618.	HISTORY OF INDIA (FROM EARLIEST TIMES TO 700 CE)	1113	I YEAR I SEMESTER	BA (HPML)
619.	ENVIRONMENTAL SCIENCE	AECC1	I YEAR I SEMESTER	BA (HPML)
620.	HISTORY OF INDIA (FROM 700-1526 CE)	1213	I YEAR II SEMESTER	BA (HPML)
621.	BASIC COMPUTER SKILLS	AECC2	I YEAR II SEMESTER	BA (HPML)
622.	HISTORY OF INDIA (FROM 1526-1857CE)	1313	II YEAR III SEMESTER	BA (HPML)
623.	HISTORY AND CULTURE OF TELANGANA	ADDON	II YEAR III SEMESTER	BA (HPML)
624.	HISTORY OF INDIA (FROM 1858 -1964 CE)	1413	II YEAR IV SEMESTER	BA (HPML)
625.	ANCIENT CIVILIZATIONS	IDE	II YEAR IV SEMESTER	BA (HPML)
626.	HISTORY OF MODERN WORLD (1453-1950 CE)	1513	III YEAR V SEMESTER	BA (HPML)
627.	HISTORY OF WORLD TOURISM	GE1	III YEAR V SEMESTER	BA (HPML)
628.	ISLAMIC HISTORY & CULTURE (FROM EARLIST TIMES TO CRUSADES)	1513	III YEAR VI SEMESTER	BA (HPML)
629.	INDIAN NATIONAL MOVEMENT	GE2	III YEAR VI SEMESTER	BA (HPML)





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630.	DIFFERENTIAL INTEGRAL CALCULUS	BS102	I YEAR I SEMESTER	BSC (MPCS, MPC, MECS, MPE)
631.	DIFFERENTIAL CALCULUS PR	BS105	I YEAR I SEMESTER	BSC (MPCS, MPC, MECS, MPE)
632.	DIFFERENTIAL EQUATIONS	BS202	I YEAR II SEMESTER	BSC (MPCS, MPC, MECS, MPE)
633.	DIFFERENTIAL EQUATIONS PR	BS205	I YEAR II SEMESTER	BSC (MPCS, MPC, MECS, MPE)
634.	REAL ANALYSIS	BS302	II YEAR III SEMESTER	BSC (MPCS, MPC, MECS, MPE)
635.	REAL ANALYSIS PR	BS305	II YEAR III SEMESTER	BSC (MPCS, MPC, MECS, MPE)
636.	ALGEBRA	BS402	II YEAR IV SEMESTER	BSC (MPCS, MPC, MECS, MPE)
637.	ALGEBRA PR	BS405	II YEAR IV SEMESTER	BSC (MPCS, MPC, MECS, MPE)
638.	LINEAR ALGEBRA	BS502	III YEAR V SEMESTER	BSC (MPCS, MPC, MECS, MPE)
639.	LINEAR ALGEBRA PR	BS505	III YEAR V SEMESTER	BSC (MPCS, MPC, MECS, MPE)
640.	NUMERICAL ANALYSIS	BS602	III YEAR VI SEMESTER	BSC (MPCS, MPC, MECS, MPE)
641.	NUMERICAL ANALYSIS PR	BS605	III YEAR VI SEMESTER	BSC (MPCS, MPC, MECS, MPE)
642.	ABSTRACT ALGEBRA	AM101	I YEAR I SEMESTER	MSC (APPLIED MATHEMATICS)
643.	MATHEMATICAL ANALYSIS	AM102	I YEAR I SEMESTER	MSC (APPLIED MATHEMATICS)



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644.	ORDINARY & PARTIAL DIFFERENTIAL EQUATIONS	AM103	I YEAR I SEMESTER	MSC (APPLIED MATHEMATICS)
645.	MECHANICS	AM104	I YEAR I SEMESTER	MSC (APPLIED MATHEMATICS)
646.	INTEGRAL TRANSFORM	AM105	I YEAR I SEMESTER	MSC (APPLIED MATHEMATICS)
647.	GALOIS THEORY	AM201	I YEAR II SEMESTER	MSC (APPLIED MATHEMATICS)
648.	LEBESGUE MEASURE & INTEGRATION	AM202	I YEAR II SEMESTER	MSC (APPLIED MATHEMATICS)
649.	COMPLEX ANALYSIS	AM203	I YEAR II SEMESTER	MSC (APPLIED MATHEMATICS)
650.	FLUID MECHANICS	AM204	I YEAR II SEMESTER	MSC (APPLIED MATHEMATICS)
651.	THEORY OF ORDINARY DIFFERENTIAL EQUATIONS	AM205	I YEAR II SEMESTER	MSC (APPLIED MATHEMATICS)
652.	FINITE DIFFERENCE METHODS	AM301	II YEAR III SEMESTER	MSC (APPLIED MATHEMATICS)
653.	VISCOUS FLOWS	AM302	II YEAR III SEMESTER	MSC (APPLIED MATHEMATICS)
654.	LINERA ALGEBRA	AM303	II YEAR III SEMESTER	MSC (APPLIED MATHEMATICS)
655.	OPERATIONS RESEARCH COMPRESSIBLE FLOWS COMPUTATIONAL FLUID DYNAMICS	AM304A AM304B AM304C	II YEAR III SEMESTER	MSC (APPLIED MATHEMATICS)





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656.	ELEMENTERY NUMBER THEORY NUMERICAL ANALYSIS TOPOLOGY	AM305A AM305B AM305C	II YEAR III SEMESTER	MSC (APPLIED MATHEMATICS)
657.	INTEGRAL EQUATIONS & CALCULUS OF VARIATIONS	AM401	II YEAR IV SEMESTER	MSC (APPLIED MATHEMATICS)
658.	FINITE ELEMENT METHODS	AM402	II YEAR IV SEMESTER	MSC (APPLIED MATHEMATICS)
659.	FUNCTIONAL ANALYSIS	AM403	II YEAR IV SEMESTER	MSC (APPLIED MATHEMATICS)
660.	MHD BIOMECHANICS DIFFERENTIAL GEOMETRY	AM404	II YEAR IV SEMESTER	MSC (APPLIED MATHEMATICS)
661.	ADVANCE OPERATIONS RESEARCH ADVANCE COMPLEX ANALYSIS BASIC MATHEMATICS	AM405	II YEAR IV SEMESTER	MSC (APPLIED MATHEMATICS)
662.	GENERAL MICROBIOLOGY-I	6115	I YEAR I SEMESTER	BSC (BTMBC)
663.	GENERAL MICROBIOLOGY-I PR	6115P	I YEAR I SEMESTER	BSC (BTMBC)
664.	EVS	A6115	I YEAR I SEMESTER	BSC (BTMBC)
665.	MICROBIAL DIVERSITY	6215	I YEAR II SEMESTER	BSC (BTMBC)
666.	MICROBIAL DIVERSITY PR	6215P	I YEAR II SEMESTER	BSC (BTMBC)
667.	BASIC COMPUTER SKILLS	16215	I YEAR II SEMESTER	BSC (BTMBC)
668.	FOOD & ENVIRONMENTAL MICROBIOLOGY	6315	II YEAR III SEMESTER	BSC (BTMBC)
669.	FOOD & ENVIRONMENTAL MICROBIOLOGY PR	6315P	II YEAR III SEMESTER	BSC (BTMBC)
670.	PHARMACUETICAL FOOD ADULTERATION	A6315	II YEAR III SEMESTER	BSC (BTMBC)



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671.	MEDICINAL MICROBIOLOGY & IMMUNOLOGY	6415	II YEAR IV SEMESTER	BSC (BTMBC)
672.	MEDICINAL MICROBIOLOGY & IMMUNOLOGY PR	6415P	II YEAR IV SEMESTER	BSC (BTMBC)
673.	MUSHROOM CULTIVATION HOSPITAL MANAGEMENT	16415	II YEAR IV SEMESTER	BSC (BTMBC)
674.	MOLECULAR BIOLOGY & MICROBIAL GENETICS MICROBIAL OMICS	6515	III YEAR V SEMESTER	BSC (BTMBC)
675.	MOLECULAR BIOLOGY & MICROBIAL GENETICS PR MICROBIAL OMICS PR	6515P	III YEAR V SEMESTER	BSC (BTMBC)
676.	MUSHROOM CULTIVATION HEMATOLOGY	A6515	III YEAR V SEMESTER	BSC (BTMBC)
677.	INDUSTRIAL MICROBIOLOGY PHARMACEUTICAL MICROBIOLOGY	6615	III YEAR VI SEMESTER	BSC (BTMBC)
678.	INDUSTRIAL MICROBIOLOGY PR PHARMACEUTICAL MICROBIOLOGY PR	6615P	III YEAR VI SEMESTER	BSC (BTMBC)
679.	HOSPITAL MANAGEMENT APPLIED METHODOLOGY	16615	III YEAR VI SEMESTER	BSC (BTMBC)
680.	GENERAL MICROBIOLOGY AND MICROBIAL PHYSIOLOGY	MB101	I YEAR I SEMESTER	MSC (MICROBIOLOGY)
681.	VIROLOGY	MB102	I YEAR I SEMESTER	MSC (MICROBIOLOGY)
682.	RESEARCH METHODOLOGY AND TECHNIQUES	MB103	I YEAR I SEMESTER	MSC (MICROBIOLOGY)
683.	MICROBIAL BIOCHEMISTRY	MB104	I YEAR I SEMESTER	MSC (MICROBIOLOGY)





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684.	GENERAL MICROBIOLOGY AND MICROBIAL PHYSIOLOGY	MB151	I YEAR I SEMESTER	MSC (MICROBIOLOGY)
685.	VIROLOGY	MB152	I YEAR I SEMESTER	MSC (MICROBIOLOGY)
686.	RESEARCH METHODOLOGY AND TECHNIQUED	MB153	I YEAR I SEMESTER	MSC (MICROBIOLOGY)
687.	MICROBIAL BIOCHEMISTRY	MB154	I YEAR I SEMESTER	MSC (MICROBIOLOGY)
688.	MOLECULAR BIOLOGY AND MICROBIAL GENETICS	MB201	I YEAR II SEMESTER	MSC (MICROBIOLOGY)
689.	ENVIRONMENT AND AGRICULTURE MICROBIOLOGY	MB202	I YEAR II SEMESTER	MSC (MICROBIOLOGY)
690.	IMMUNOLOGY	MB203	I YEAR II SEMESTER	MSC (MICROBIOLOGY)
691.	PHARMACEUTICAL MICROBIOLOGY	MB204	I YEAR II SEMESTER	MSC (MICROBIOLOGY)
692.	MOLECULAR BIOLOGY AND MICROBIAL GENETICS	MB251	I YEAR II SEMESTER	MSC (MICROBIOLOGY)
693.	ENVIRONMENT AND AGRICULTURE MICROBIOLOGY	MB252	I YEAR II SEMESTER	MSC (MICROBIOLOGY)
694.	IMMUNOLOGY	MB253	I YEAR II SEMESTER	MSC (MICROBIOLOGY)
695.	PHARMACEUTICAL MICROBIOLOGY	MB254	I YEAR II SEMESTER	MSC (MICROBIOLOGY)
696.	FOOD MICROBIAL TECHNOLOGY	MB301	II YEAR III SEMESTER	MSC (MICROBIOLOGY)
697.	MEDICAL BACTERIOLOGY	MB302	II YEAR III SEMESTER	MSC (MICROBIOLOGY)
698.	DSE A. INDUSTRIAL MICROBIOLOGY & B. MICROBIAL PROTEOMICS	MB303	II YEAR III SEMESTER	MSC (MICROBIOLOGY)



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699.	DSE A.MICROBIAL ECOLOGY & PLANT MICROBE INTERACTION  (OR) B. ADVANCES IN BIOTECHNOLOGY	MB302	II YEAR III SEMESTER	MSC (MICROBIOLOGY)
700.	FOOD MICROBIAL TECHNOLOGY	MB351	II YEAR III SEMESTER	MSC (MICROBIOLOGY)
701.	MEDICAL BACTERIOLOGY	MB352	II YEAR III SEMESTER	MSC (MICROBIOLOGY)
702.	C.INDUSTRIAL MICROBIOLOGY & MICROBIAL PROTEOMICS	MB353	II YEAR III SEMESTER	MSC (MICROBIOLOGY)
703.	MICROBIAL ECOLOGY & PLANT MICROBE INTERACTION (OR) ADVANCES IN BIOTECHNOLOGY	MB354	II YEAR III SEMESTER	MSC (MICROBIOLOGY)
704.	CELL AND MOLECULAR BIOTECHNOLOGY	MB401	II YEAR IV SEMETER	MSC (MICROBIOLOGY)
705.	MEDICAL VIROLOGY AND PARASITOLOGY	MB402	II YEAR IV SEMETER	MSC (MICROBIOLOGY)
706.	GD (IDSE) A. MICROBIAL BIOTECHNOLOGY & BIOINFORMATICS AND NANOTECHNOLOGY	MB403	II YEAR IV SEMETER	MSC (MICROBIOLOGY)
707.	DSE A. APPLIED MICROBIOLOGY OR PROJECT WORK	MB404	II YEAR IV SEMETER	MSC (MICROBIOLOGY)
708.	CELL AND MOLECULAR BIOTECHNOLOGY	MB451	II YEAR IV SEMETER	MSC (MICROBIOLOGY)





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709.	MEDICAL VIROLOGY AND PARASITOLOGY	MB452	II YEAR IV SEMESTER	MSC (MICROBIOLOGY)
710.	MICROBIAL BIOTECHNOLOGY & BIOINFORMATICS AND NANOTECHNOLOGY	MB453	II YEAR IV SEMESTER	MSC (MICROBIOLOGY)
711.	APPLIED MICROBIOLOGY OR PROJECT WORK	MB454	II YEAR IV SEMESTER	MSC (MICROBIOLOGY)
712.	INTRODUCTION TO FOOD & NUTRITION	101	I YEAR I SEMESTER	BSC (NZC)
713.	NUTRITION BIOCHEMISTRY & HUMAN PHYSIOLOGY	201	I YEAR II SEMESTER	BSC (NZC)
714.	NORMAL THERAPUTIC NUTRITION THEORY	301	II YEAR III SEMESTER	BSC (NZC)
715.	DIET IN DISEASE THEORY	401	II YEAR IV SEMESTER	BSC (NZC)
716.	DIET THERAPY-I	501	III YEAR V SEMESTER	BSC (NZC)
717.	FUNDAMENTALS OF FOOD AND NUTRITONS	502	III YEAR V SEMESTER	BSC (NZC)
718.	DIET THERAPY-II	601	III YEAR VI SEMESTER	BSC (NZC)
719.	FOOD COMMODITIES	602	III YEAR VI SEMESTER	BSC (NZC)
720.	HUMAN NUTRITION	ND101T	I YEAR I SEMESTER	MSC (NUTRITION)
721.	NUTRITIONAL BIOCHEMISTRY-I	ND102T	I YEAR I SEMESTER	MSC (NUTRITION)
722.	HUMAN PHYSIOLOGY	ND103T	I YEAR I SEMESTER	MSC (NUTRITION)
723.	PRINCIPLES OF DIETETICS	ND104T	I YEAR I SEMESTER	MSC (NUTRITION)
724.	HUMAN NUTRITION PR	ND105P	I YEAR I SEMESTER	MSC (NUTRITION)
725.	NUTRITIONAL BIOCHEMISTRY-I PR	ND106P	I YEAR I SEMESTER	MSC (NUTRITION)



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726.	HUMAN PHYSIOLOGY PR	ND107P	I YEAR I SEMESTER	MSC (NUTRITION)
727.	PRINCIPLES OF DIETETICS PR	ND108P	I YEAR I SEMESTER	MSC (NUTRITION)
728.	PRINCIPLES OF FOODS	ND201T	I YEAR II SEMESTER	MSC (NUTRITION)
729.	NUTRITIONAL BIOCHEMISTRY-II	ND202T	I YEAR II SEMESTER	MSC (NUTRITION)
730.	DIET IN DISEASE	ND203T	I YEAR II SEMESTER	MSC (NUTRITION)
731.	RESEARCH METHODOLOGY	ND204T	I YEAR II SEMESTER	MSC (NUTRITION)
732.	PRINCIPLES OF FOODS PR	ND205P	I YEAR II SEMESTER	MSC (NUTRITION)
733.	NUTRITIONAL BIOCHEMISTRY-II PR	ND206P	I YEAR II SEMESTER	MSC (NUTRITION)
734.	DIET IN DISEASE PR	ND207P	I YEAR II SEMESTER	MSC (NUTRITION)
735.	RESEARCH METHODOLOGY PR	ND208P	I YEAR II SEMESTER	MSC (NUTRITION)
736.	COMMUNITY NUTRITION	ND301T	II YEAR III SEMESTER	MSC (NUTRITION)
737.	FOOD MICROBIOLOGY	ND302T	II YEAR III SEMESTER	MSC (NUTRITION)
738.	FOOD SERVICE MANGEMENT INSTITUTIONAL FOOD MANAGEMENT	ND303T	II YEAR III SEMESTER	MSC (NUTRITION)
739.	FOOD HYGINE & SANITATION	ND304T	II YEAR III SEMESTER	MSC (NUTRITION)
740.	COMMUNITY NUTRITION-PR	ND305P	II YEAR III SEMESTER	MSC (NUTRITION)
741.	FOOD MICROBIOLOGY-PR	ND306P	II YEAR III SEMESTER	MSC (NUTRITION)
742.	FOOD SERVICE MANGEMENT INSTITUTIONAL FOOD MANAGEMENT-PR	ND307P	II YEAR III SEMESTER	MSC (NUTRITION)
743.	FOOD HYGINE & SANITATION- PR	ND308P	II YEAR III SEMESTER	MSC (NUTRITION)
744.	ADVANCED NUTRITION	ND401T	II YEAR IV SEMESTER	MSC (NUTRITION)
745.	PEDIATRIC NUTRITION	ND402T	II YEAR IV SEMESTER	MSC (NUTRITION)





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746.	NUTRACEUTICAL & FUNCTIONAL FOODS GERIATRIC NUTRITION CLINICAL NUTRITION & IMMUNOLOGY	ND403T	II YEAR IV SEMESTER	MSC (NUTRITION)
747.	DIET & PSYCHOLOGY COUNSELLING SKILLS NUTRITION FOR FITNESS & SPORTS MAERNAL & CHILD NUTRITION	ND404T	II YEAR IV SEMESTER	MSC (NUTRITION)
748.	ADVANCED NUTRITION-PR	ND405T	II YEAR IV SEMESTER	MSC (NUTRITION)
749.	PEDIATRIC NUTRITION-PR	ND406T	II YEAR IV SEMESTER	MSC (NUTRITION)
750.	NUTRACEUTICAL & FUNCTIONAL FOODS-PR GERIATRIC NUTRITION-PR CLINICAL NUTRITION & IMMUNOLOGY-PR	ND407T	II YEAR IV SEMESTER	MSC (NUTRITION)
751.	DIET & PSYCHOLOGY COUNSELLING SKILLS-PR NUTRITION FOR FITNESS & SPORTS-PR MAERNAL & CHILD NUTRITION- PR	ND408T	II YEAR IV SEMESTER	MSC (NUTRITION)
752.	MECHANICS	6118	I YEAR I SEMESTER	BSC (MPSC, MPC, MPE)
753.	MECHANICAL LAB	6118P	I YEAR I SEMESTER	BSC (MPSC, MPC, MPE)
754.	EVS	A6118	I YEAR I SEMESTER	BSC (MPSC, MPC, MPE)
755.	THERMAL PHYSICS	6218	I YEAR II SEMESTER	BSC (MPSC, MPC, MPE)
756.	THERMAL PHYSICS LAB	6218P	I YEAR II SEMESTER	BSC (MPSC, MPC, MPE)



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757.	BASIC COMPUTER SKILLS	16218	I YEAR II SEMESTER	BSC (MPSC, MPC, MPE)
758.	ELECTRO-MAGNETIC THEORY	6318	II YEAR III SEMESTER	BSC (MPSC, MPC, MPE)
759.	ELECTRO-MAGNETIC THEORY- LAB	6318P	II YEAR III SEMESTER	BSC (MPSC, MPC, MPE)
760.	SOLAR ENERGY & ITS COLLECTORS STORAGE AND UTILIZATION OF SOLAR ENERGY	A6318	II YEAR III SEMESTER	BSC (MPSC, MPC, MPE)
761.	WAVES & OPTICS	6418	III YEAR IV SEMESTER	BSC (MPSC, MPC, MPE)
762.	OPTICS LAB	6418P	III YEAR IV SEMESTER	BSC (MPSC, MPC, MPE)
763.	SOLAR ENERGY CHEMICAL ENERGY	16418	III YEAR IV SEMESTER	BSC (MPSC, MPC, MPE)
764.	MODERN PHYSICS	6518	III YEAR V SEMESTER	BSC (MPSC, MPC, MPE)
765.	MODERN PHYSICS LAB	6518P	III YEAR V SEMESTER	BSC (MPSC, MPC, MPE)
766.	COMPUTATIONAL PHYSICS	6518	III YEAR V SEMESTER	BSC (MPSC, MPC, MPE)
767.	COMPUTATIONAL PHYSICS LAB	6518P	III YEAR V SEMESTER	BSC (MPSC, MPC, MPE)
768.	ELECTRONICS	6618	III YEAR VI SEMESTER	BSC (MPSC, MPC, MPE)
769.	ELECTRONICS LAB	6618P	III YEAR VI SEMESTER	BSC (MPSC, MPC, MPE)
770.	APPLIED OPTICS	6618	III YEAR VI SEMESTER	BSC (MPSC, MPC, MPE)
771.	APPLIED OPTICS	6618P	III YEAR VI SEMESTER	BSC (MPSC, MPC, MPE)
772.	MECHANICAL AND GEOTHERMAL ENERGY	16618	III YEAR VI SEMESTER	BSC (MPSC, MPC, MPE)





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773.	MATHEMATICAL PHYSICS	P101	I YEAR I SEMESTER	MSC (PHYSICS)
774.	CLASSICAL MECHANICS	P102	I YEAR I SEMESTER	MSC (PHYSICS)
775.	QUANTUM MECHANICS – I	P103	I YEAR I SEMESTER	MSC (PHYSICS)
776.	SOLID STATE PHYSICS	P104	I YEAR I SEMESTER	MSC (PHYSICS)
777.	HEAT & ACOUSTICS	P105	I YEAR I SEMESTER	MSC (PHYSICS)
778.	OPTICS	P106	I YEAR I SEMESTER	MSC (PHYSICS)
779.	COMMUNICATIVE ENGLISH & SOFT SKILLS	P107	I YEAR I SEMESTER	MSC (PHYSICS)
780.	ELECTROMAGNETIC THEORY	P201	I YEAR II SEMESTER	MSC (PHYSICS)
781.	STATISTICAL MECHANICS	P202	I YEAR II SEMESTER	MSC (PHYSICS)
782.	QUANTUM MECHANICS – II	P203	I YEAR II SEMESTER	MSC (PHYSICS)
783.	ELECTRONICS	P204	I YEAR II SEMESTER	MSC (PHYSICS)
784.	ELECTRONICS	P205	I YEAR II SEMESTER	MSC (PHYSICS)
785.	COMPUTER PROGRAMMING	P206	I YEAR II SEMESTER	MSC (PHYSICS)
786.	BASICS OF COMPUTER SCIENCE	P207	I YEAR II SEMESTER	MSC (PHYSICS)
787.	MODERN OPTICS	P301	II YEAR III SEMESTER	MSC (PHYSICS)
788.	ADVANCED SOLID STATE PHYSICS	P302	II YEAR III SEMESTER	MSC (PHYSICS)
789.	DIGITAL LOGIC CIRCUITS	P303	II YEAR III SEMESTER	MSC (PHYSICS)
790.	MICROPROCESSORS, DSPS & INTERFACING	P304	II YEAR III SEMESTER	MSC (PHYSICS)
791.	ELECTRONIC INSTRUMENTATION	P305	II YEAR III SEMESTER	MSC (PHYSICS)
792.	SPECTROSCOPY	P306	II YEAR III SEMESTER	MSC (PHYSICS)
793.	ANALOGY AND DIGITAL SIMULATION	P307	II YEAR III SEMESTER	MSC (PHYSICS)
794.	PRINCIPLES OF ELECTRICAL APPLIANCES	P308	II YEAR III SEMESTER	MSC (PHYSICS)



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795.	NUCLEAR PHYSICS	P401	II YEAR IV SEMESTER	MSC (PHYSICS)
796.	SPECTROSCOPY	P402	II YEAR IV SEMESTER	MSC (PHYSICS)
797.	EMBEDDED SYSTEMS AND ITS APPLICATIONS	P403	II YEAR IV SEMESTER	MSC (PHYSICS)
798.	PC ARCHITECTURE	P404	II YEAR IV SEMESTER	MSC (PHYSICS)
799.	INSTRUMENTATION FOR MEASUREMENT, CONTROL, DATA ACQUISITION AND DATA TRANSMISSION	P405	II YEAR IV SEMESTER	MSC (PHYSICS)
800.	NUCLEAR PHYSICS	P406	II YEAR IV SEMESTER	MSC (PHYSICS)
801.	MICROPROCESSORS (8086) & MICROCONTROLLERS (8051)	P407	II YEAR IV SEMESTER	MSC (PHYSICS)
802.	SOLAR ENERGY UTILIZATION	P408	II YEAR IV SEMESTER	MSC (PHYSICS)
803.	UNDERSTANDING POLITICAL THEORY	1119	I YEAR I SEMESTER	BA (EPP, HPML)
804.	EVS	A1119	I YEAR I SEMESTER	BA (EPP, HPML)
805.	WESTERN POLITICAL SCIENCE	1219	I YEAR II SEMESTER	BA (EPP, HPML)
806.	BASIC COMPUTER SKILLS	11219	I YEAR II SEMESTER	BA (EPP, HPML)
807.	ANCIENT INDIAN POLITICAL THOUGHT	1319	II YEAR III SEMESTER	BA (EPP, HPML)
808.	EMANCIPATION OF WOMEN CASTE SYSTEM IN INDIA	A1119	II YEAR III SEMESTER	BA (EPP, HPML)
809.	CONSTITUTION AND POLITICS OF INDIA	1419	II YEAR IV SEMESTER	BA (EPP, HPML)
810.	INDIAN FREEDOM MOVEMENT INDIAN CONSTITUTION	11219	II YEAR IV SEMESTER	BA (EPP, HPML)
811.	GOVT. & POLITICS OF TELANAGANA	1519	III YEAR V SEMESTER	BA (EPP, HPML)





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812.	REFORM MOVEMENT IN INDIA	A1119	III YEAR V SEMESTER	BA (EPP, HPML)
813.	GLOBAL POLITICS	1619	III YEAR VI SEMESTER	BA (EPP, HPML)
814.	WOMEN STUDIES	11219	III YEAR VI SEMESTER	BA (EPP, HPML)
815.	BASICS OF PUBLIC ADMINISTRATION- I	1120	I YEAR I SEMESTER	BA (EPP)
816.	EVS	A1120	I YEAR I SEMESTER	BA (EPP)
817.	PRINCIPLES & EMERGING TRENDS	1220	I YEAR II SEMESTER	BA (EPP)
818.	BASIC COMPUTER SKILLS	11220	I YEAR II SEMESTER	BA (EPP)
819.	INDIAN ADMINISTRATION- UNION GOVT.	1320	II YEAR III SEMESTER	BA (EPP)
820.	LOCAL SELF GOVT.	A1320	II YEAR III SEMESTER	BA (EPP)
821.	INDIAN ADMINISTRATION- STATE GOVT.	1420	II YEAR IV SEMESTER	BA (EPP)
822.	DEVELOPMENT & LOCAL GOVERNANCE- RURAL GOVERNANCE DEVELOPMENT & LOCAL GOVERNANCE-URBAN GOVERNANCE	11420	II YEAR IV SEMESTER	BA (EPP)
823.	HUMAN RESOURCES MANAGEMENT	1520	III YEAR V SEMESTER	BA (EPP)
824.	SOCIAL MOVEMENT IN INDIA	A1520	III YEAR V SEMESTER	BA (EPP)
825.	FINANCIAL MANAGEMENT & MATERIAL MANAGEMENT	1520	III YEAR VI SEMESTER	BA (EPP)
826.	TELANGANA MOVEMENT	A1620	III YEAR VI	BA (EPP)



# ANWARUL ULOOM COLLEGE (AUTONOMOUS)

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(Affiliated to Osmania University, Hyderabad)

			SEMESTER	
827.	TELUGU -I	SL0101	I YEAR I SEMESTER	BA, B.COM, BSC, BBA, BBM
828.	TELUGU -II	SL0201	I YEAR II SEMESTER	BA, B.COM, BSC, BBA, BBM
829.	TELUGU -III	SL0301	II YEAR III SEMESTER	BA, B.COM, BSC, BBA, BBM
830.	TELUGU -IV	SL0401	II YEAR IV SEMESTER	BA, B.COM, BSC, BBA, BBM
831.	TELUGU -V	SL0501	III YEAR V SEMESTER	BA, B.COM, BSC, BBA, BBM
832.	TELUGU -VI	SL0601	III YEAR VI SEMESTER	BA, B.COM, BSC, BBA, BBM
833.	URDU-I	SL0102	I YEAR I SEMESTER	BA, B.COM, BSC, BBA, BBM
834.	URDU-II	SL0202	I YEAR II SEMESTER	BA, B.COM, BSC, BBA, BBM
835.	URDU-III	SL0302	II YEAR III SEMESTER	BA, B.COM, BSC, BBA, BBM
836.	URDU-IV	SL0402	II YEAR IV SEMESTER	BA, B.COM, BSC, BBA, BBM
837.	URDU-V	SL0502	III YEAR V SEMESTER	BA, B.COM, BSC, BBA, BBM
838.	URDU-VI	SL0602	III YEAR VI SEMESTER	BA, B.COM, BSC, BBA, BBM
839.	ML URDU-I	1116	I YEAR I SEMESTER	BA (HPML)
840.	ML URDU-II	1216	I YEAR II SEMESTER	BA (HPML)
841.	ML URDU-III	1316	II YEAR III SEMESTER	BA (HPML)
842.	ML URDU-IV	1416	II YEAR IV SEMESTER	BA (HPML)
843.	ML URDU-V	1516	III YEAR V SEMESTER	BA (HPML)
844.	ML URDU-V	1516	III YEAR V SEMESTER	BA (HPML)
845.	ML URDU-VI	1616	III YEAR VI SEMESTER	BA (HPML)
846.	ML URDU-VI	1616	III YEAR VI SEMESTER	BA (HPML)
847.	ANIMAL DIVERSITY INVERTEBRATES	6121	I YEAR I SEMESTER	BSC (NZC, BZC)
848.	ANIMAL DIVERSITY	6121P	I YEAR I SEMESTER	BSC (NZC, BZC)





# ANWARUL ULOOM COLLEGE (AUTONOMOUS)

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(Affiliated to Osmania University, Hyderabad)

	INVERTEBRATES PR			
849.	EVS	A6121	I YEAR I SEMESTER	BSC (NZC, BZC)
850.	ECOLOGY, ZOOGEOGRAPHY AND ANIMAL BEHAVIOUR	6221	I YEAR II SEMESTER	BSC (NZC, BZC)
851.	ECOLOGY, ZOOGEOGRAPHY AND ANIMAL BEHAVIOUR PR	6221P	1 YEAR II SEMESTER	BSC (NZC, BZC)
852.	BASIC COMPUTER SKILLS	16221	1 YEAR II SEMESTER	BSC (NZC, BZC)
853.	ANIMAL PHYSIOLOGY	6321	II YEAR III SEMESTER	BSC (NZC, BZC)
854.	ANIMAL PHYSIOLOGY PR	6321P	II YEAR III SEMESTER	BSC (NZC, BZC)
855.	VECTORS VERMICULTURE	A6321	II YEAR III SEMESTER	BSC (NZC, BZC)
856.	CELL BIOLOGY- GENETICS & EVOLUTION	6421	II YEAR IV SEMESTER	BSC (NZC, BZC)
857.	CELL BIOLOGY- GENETICS & EVOLUTION PR	6421P	II YEAR IV SEMESTER	BSC (NZC, BZC)
858.	APICULTURE BIODIVERSITY CONSERVATION & ECO-TOURISM	16421	II YEAR IV SEMESTER	BSC (NZC, BZC)
859.	BIOCHEMISTRY & ENDOCRINOLOGY	6521	III YEAR V SEMESTER	BSC (NZC, BZC)
860.	BIOCHEMISTRY & ENDOCRINOLOGY-PR	6521P	III YEAR V SEMESTER	BSC (NZC, BZC)
861.	LABORATORY ANIMALS MAINTAINANCE & APPLICATION	6521	III YEAR V SEMESTER	BSC (NZC, BZC)
862.	LABORATORY ANIMALS MAINTAINANCE & APPLICATION-PR	6521P	III YEAR V SEMESTER	BSC (NZC, BZC)

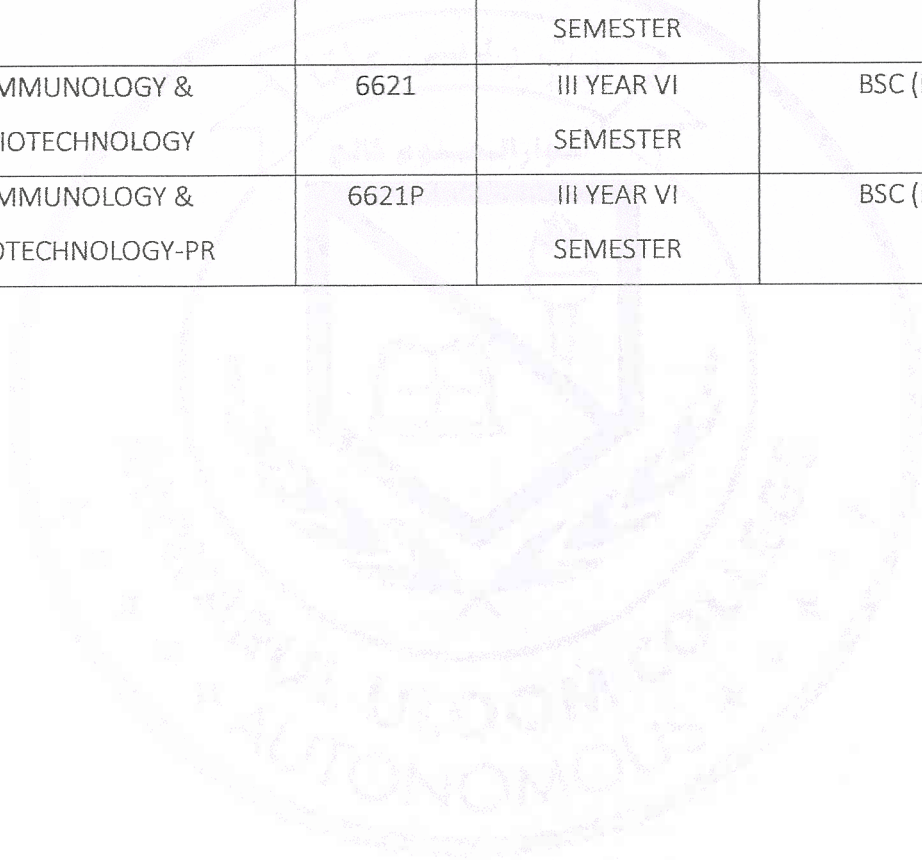


# ANWARUL ULOOM COLLEGE (AUTONOMOUS)

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(Affiliated to Osmania University, Hyderabad)

863.	FISHERIES & LIMNOLOGY	6621	III YEAR VI SEMESTER	BSC (Nzc, Bzc)
864.	FISHERIES & LIMNOLOGY PR	6621P	III YEAR VI SEMESTER	BSC (Nzc, Bzc)
865.	IMMUNOLOGY & BIOTECHNOLOGY	6621	III YEAR VI SEMESTER	BSC (Nzc, Bzc)
866.	IMMUNOLOGY & BIOTECHNOLOGY-PR	6621P	III YEAR VI SEMESTER	BSC (Nzc, Bzc)



  
ICAC

**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, (Autonomous)

New Mallepally, Hyderabad, TS  
Affiliated to Osmania University

(Re-Accredited with NAAC with A- Grade)



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


**Department of Arabic (Second Language)**

**Under Graduate 1<sup>st</sup>, 2<sup>nd</sup> & 3<sup>rd</sup> year (CBCS)**

**(Approved Syllabus for the Academic year 2021-2022)**

## Course Structure (2021-2022)

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

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

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

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

*Maya*

Head of the Department

*A. S. J.*

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



# Anwarul Uloom College (Autonomous)

Department of Biotechnology

B. Sc (Bt. M. C )

Subject: BIOTECHNOLOGY (2021 – 2022)

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

AECC – Ability Enhancement Compulsory Course

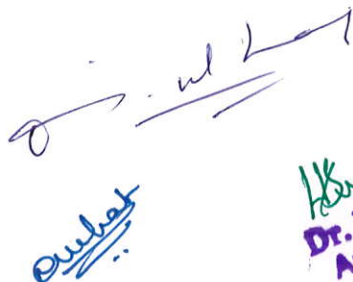
SECC – Skill Enhancement Compulsory Course

GE – Generic Electives



**Head of the Department**

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



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



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

**CHOICE BASED CREDIT SYSTEM (CBCS)**

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

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*AB*

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*Signature*

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

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



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

**CHOICE BASED CREDIT SYSTEM (CBCS)**

**SEMESTER -II**

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

T- Theory, P-Practical

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

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

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

**SEMESTER – III**

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

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

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

*[Signature]*

*[Signature]*





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

SEMESTER – IV

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

T- Theory, P-Practical

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

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





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

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

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

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

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

**CHAIR PERSON  
BOS IN BOTANY**

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



V-SEM	CORE SUBJECT	UNITS	HOURS	CREDITS	INTERNAL	EXTRNAL	TOTAL	DURATION
DSE	<b>Optionals</b> DSE -1A: Biodiversity & Conservation DSE -1B: Economic Botany DSE -1C: Seed Technology	4	4	4	15	35	50	2 HRS
DSEP	PRACTICAL	-	2	1	-	-	25	-
GE - I	Industrial Microbiology	2	2	2	-	-	50	2 HRS

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

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

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

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

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

*Hafsa*

*Suresh*

*S. Ravi*

*Alleg*

*Das*

*Veda*

CHAIRPERSON  
 BOS IN BOTANY

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

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

**Annexure II**

**Proposed New Grading System**

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

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BOS IN BOTANY**

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OSMANIA UNIVERSITY  
HYDERABAD-500 007.**

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

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

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

3 | Page

M.Sc. BOTANY MARKS DISTRIBUTION

SEMESTER-I

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

25 Credits

Semester-II

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

*Seminars. 2HRS. 1/25*

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BOS IN BOTANY

*S. Singh*

*M. Kesava*

*H. J. ...*

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HYDERABAD-500 007.

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Semester III

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

Semester IV

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

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**DEPARTMENT OF BOTANY,  
OSMANIA UNIVERSITY  
M.Sc. BOTANY (CBCS)  
(Effective from Academic Year 2021-22)**

2021-22

**Semester-I**

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



## Semester-II

2021-22

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

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**SEMESTER - III**

2021-22

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

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**SEMESTER - IV**

2021-22

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

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

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

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

*H. K. S. S. S.*

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 BOS IN BOTANY**

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**STRUCTURE OF B.B.A DEGREE COURSE w.e.f. ACADEMIC YEAR 2021 onwards**

**FIRST YEAR:**

**SEMESTER-I:**

Sl.No	Code	Course Title	Course Type	Sem Exam	IA	Total	THPW	Credits
1	ELS-I	English –I	CC-1	80	20	100	4Hrs	4
2	SLS-I	Second Language -I	CC-2	80	20	100	4Hrs	4
3	BBA101	Principles of Management	CC-3	80	20	100	5Hrs	5
4	BBA102	Basics of Marketing	CC-4	80	20	100	5Hrs	5
5	BBA103	Business Economics	CC-5	80	20	100	5Hrs	5
6	AECC1	Environmental Studies	AECC1	50	-	50	2Hrs	2
		<b>Total</b>					<b>25Hrs</b>	<b>25</b>

**SEMESTER-II:**

7	ELS-II	English –II	CC-6	80	20	100	4Hrs	4
8	SLS-II	Second Language –II	CC-7	80	20	100	4Hrs	4
9	BBA201	Organizational Behaviour	CC-8	80	20	100	5Hrs	5
10	BBA202	Business Statistics	CC-9	80	20	100	5Hrs	5
11	BBA203	Financial Accounting	CC-10	80	20	100	5Hrs	5
13	AECC2	Basic Computer Skills	AECC2	50	-	50	2Hrs	2
		<b>Total</b>					<b>25Hrs</b>	<b>25</b>

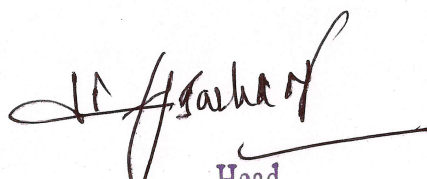
**SECOND YEAR:**

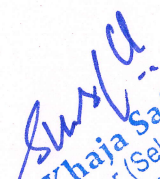
**SEMESTER-III (2020-2021)**

14	ELS-III	English-III	CC-12	35	15	50	3Hrs	3
15	SLS-III	Second Language –III	CC-13	35	15	50	3Hrs	3
16	BBA301	Human Resource Management	CC-14	35	15	50	5Hrs	5
17	BBA302	Information Technology For Business	CC-20	35	15 PR	50	4T+1P	5
18	BBA303	Financial Management	CC-16	35	15	50	5Hrs	5
19	SEC-1	Advanced Computers	EC-1	50	-	50	2Hrs	2
20	SEC-2	Business Policy and Strategy	EC-2	50	-	50	2Hrs	2
		<b>Total</b>					<b>25Hrs</b>	<b>25</b>

**SEMESTER-IV:**

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

  
**Head**  
 Department of Business Administration  
 Anwarul Uloom College  
 (Autonomous)  
 (Affiliated to Osmania University)  
 New Manipally, Hyderabad-01, T.S. India.

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

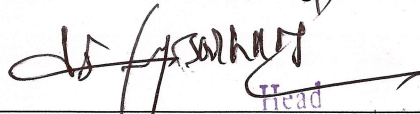


**B.B.A (CBCS)  
(w.e.f 2021-22)**

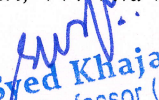
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THIRD YEAR: SEMESTER-V: (2019-2020 Batch)								
28	ELS-V	English -V	CC-22	35	15	50	3Hrs	3
29	SLS-V	Second Language-V	CC-23	35	15	50	3Hrs	3
30	GE-I	Mobile Commerce	GE-I	50	-	50	2 Hrs	2
31	SECC-3	Personality Development	EC-3	50	-	50	2 Hrs	2
32	BBA501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

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

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

15

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



**STRUCTURE OF B.B.M DEGREE COURSE w.e.f. ACADEMIC YEAR 2020 onwards**

<b>SEMESTER-I</b>								
Sl.No	Code	Course Title	Course Type	Sem Exam	IA	Total	HPW	Credits
1'	ELS-1	English ( First Language) 1	-	35	15	50	4Hrs	4
2.	MIL-1	MIL-I	-	35	15	50	4Hrs	4
3.	AECC-1	Environmental Science	AECC1	50	-	50	2Hrs	2
4	BBM101	Principles of Management	DSC-1	35	15	50	5Hrs	5
5	BBM102	Financial Accounting	DSC-2	35	15	50	5Hrs	5
6	BBM103	Business Economics	DSC-3	35	15	50	5Hrs	5
		Total					<b>25 Hrs</b>	<b>25</b>
<b>SEMESTER-II:</b>								
7.	ELS-2	English (First Language) 2	-	35	15	50	4Hrs	4
	MIL-2	MIL-2	-	35	15	50	4Hrs	4
	AECC-2	Basic Computer Skills	AECC2	50	-	50	2Hrs	2
5	BBM201	Fundamentals of Marketing	DSC-4	35	15	50	5Hrs	5
6	BBM202	Business Statistics	DSC-5	35	15	50	5Hrs	5
7	BBM203	Business Correspondence and Communication	DSC-6	35	15	50	5Hrs	5
		Total					<b>25Hrs</b>	<b>25</b>

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

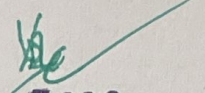
*[Signature]*  
**Dr. Syed Khaja Safiuddin**  
Assistant Professor  
Department of Management Studies  
Maulana Azad National Urdu University  
Gachibowli, Hyderabad. (T.S.)



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

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

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

  
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**Osmania University**  
**HYDERABAD-500 001**



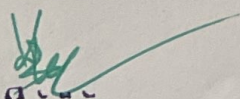
# ACADEMIC YEAR 2021-2022 (2021-2022 Batch)

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

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

28CREDITS

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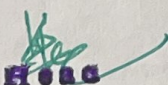
ACADEMIC YEAR 2021-2022 (2021-2022 Batch)

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

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

25 CREDITS

425

  
**Head**  
 Department of Chemistry  
 Osmania University  
 HYDERABAD-500 008



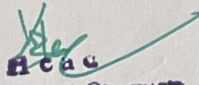
# ACADEMIC YEAR 2021-2022 (2021-2022 Batch)

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

SEM	CORE SUBJECT	UNITS	HOURS	CREDITS	INTERNAL	EXTERNAL	TOTAL	DURATION
IVth SEM	ENG-IV	3	3	3	15	35	50	2 HRS
	SL-IV	3	3	3	15	35	50	2HRS
	MATHS-IV(MPC) BOTANY-IV (BZC) BIOTECH-IV (BMC) NUTRITION-IV (NZC)	4	4	4	15	35	50	2HRS
	PRACTICAL-IV	-	2	1	-	-	25	2HRS
	PHYSICS-IV (MPC) ZOOLOGY-IV [BZC][NZC] MICROBIOLOGY-IV (BMC)	4	4	4	15	35	50	2HRS
	PRACTICAL-IV	-	2	1	-	-	25	2HRS
	CHEMISTRY-IV	4	4	4	15	35	50	2HRS
	PRACTICAL	-	2	1	-	-	25	2HRS
SECC- 04 - 11 1	PREPARATION OF LAB REAGENTS	2	2	2	-	-	50	2HRS

23 CREDITS

375

  
 H. C. C.  
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 Osmania University  
 HYDERABAD-500 007



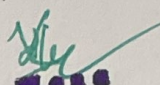
# ACADEMIC YEAR 2021-2022 (2021-2022 Batch)

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

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

25CREDITS

425

  
**Department of Chemistry**  
**Oermania University**  
**HYDERABAD-500 081**



ACADEMIC YEAR 2021-2022 (2021-2022 Batch)

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

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

28 CREDITS

475



# ANWARUL ULOOM COLLEGE


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

SUBJECT: CHEMISTRY

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



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

  
**Hoag**  
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# Anwarul Uloom College (Autonomous)

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



## Department of Chemistry

### M. Sc. (Chemistry) First Year


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

(Course Structure & Scheme of Examinations)

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

Head of the Department

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

  
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## Department of Chemistry

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

#### Paper Titles & Marks Details

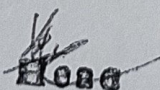
(2021 - 22)

#### (Course Structure & Scheme of Examinations)

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

Head of the Department

Total Credits: 100 & Total Marks: 2,600

  
Department of Chemistry  
Osmania University  
HYDERABAD-500 001





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

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



THIRD YEAR: SEMESTER-V (2021-2022)							
27.	ELS5	English (First Language)	35	15	50	3hrs	3
28.	SLS5	Second Language(HUTA)	35	15	50	3 hrs	3
29.	GE	Business Economics	50	-	50	4 hrs	4
30.	DSE501	a) Cost Accounting – (OR) b) Financial Planning & Performance- (OR) c) International Financial Reporting-I	35	15	50	5 hrs	5
31.	DSE502	a) Computerized Accounting-(OR) *(35M + 15P = 50: 5 Credits)	50	35P+15IA/ 20	50	3T+4P /5 hrs	5
		b) Financial Decision Making-I -(OR) (35M + 15IA = 50: 5 Credits)					
		c) International Tax & Regulation (35M + 15IA = 50: 5 Credits)					
32.	DSE503	a) Auditing-(OR) b) Advanced Corporate Accounting-(OR) c) Financial Management	35	15	50	5 hrs	5
<b>Total</b>						<b>25</b>	<b>25</b>
SEMESTER – VI							
33.	ELS6	English (First Language)	35	15	50	3 hrs	3
34.	SLS6	Second Language(HUTA)	35	15	50	3 hrs	3
35.	Project Report	Research Methodology and Project Report	35R	15 VIVA	50	2T+4R	4
36.	DSE601	a) Cost Control and Management Accounting-(OR) b) Financial control-(OR) c) International Financial Reporting-II	35	15	50	5hrs	5
37.	DSE602	a) Theory and Practice of GST-(OR) * (35M + 15P = 50: 5 Credits)	35	15P*/15IA	50	3T+4P/ 5 hrs	5
		b) Financial Decision Making-II -(OR) (35M + 15IA = 50: 5 Credits)					
		c) International Auditing (35M + 15IA = 50: 5 Credits)					
38.	DSE603	a) Accounting Standards-(OR) b) Corporate Governance-(OR) c) Investment Management	35	15	50	5 hrs	5
<b>Total</b>						<b>25</b>	<b>25</b>
<b>GRAND TOTAL</b>						<b>150</b>	<b>150</b>

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




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

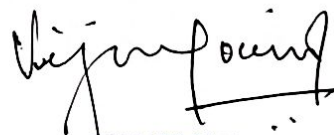
**Note: \*If a student opts for 'a' in III semester, He/She has to opt for "a" in the following semester too (IV Semester)**

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

**SUMMARY OF CREDITS**

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

  
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HYDERABAD-500 001 (T.S.)

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

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

*Vijay Prasad*  
CHAIRMAN

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

*Vijay Kumar*

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HYDERABAD-500 001 (I.S.)

9

*Aruna*



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Hyderabad - 500 007., (TS)


**ELS:** English Language Skill : Second Language Skill; **HUTA**


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

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

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

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

  
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Osmania University  
Hyderabad - 500 007., (TS)



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

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

*Vejnfoaid*

*Albana*

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

*K. J. Rao*

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Hyderabad - 500 007., (TS)




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


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

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

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

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

  
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**B.COM ( Advertising & Sales Management )  
CBCS COURSE STRUCTURE  
w.e.f.2019-22 Batch**

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

*Vijaya*

*Chairman*

14

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

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

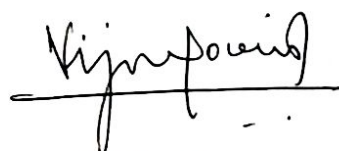
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HYDERABAD-500 001 (T.S.)

Board of Studies in Commerce  
Osmania University  
Hyderabad - 500 007., (TS)



**SEMESTER – V 2021-22**

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



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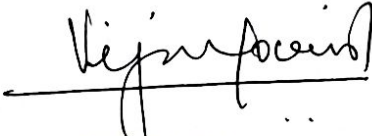
ELS: English Language Skill; SLS: Second Language Skill; HUTA: Hindi, Urdu, Telugu, Arabic  
AECC: Ability Enhancement Compulsory Course; SEC: Skill Enhancement Course; DSC: Discipline Specific Course; DSE: Discipline Specific Elective; GE: Generic Elective; THPW; Teaching hours per week; T: Theory;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

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


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

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

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

  
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Osmania University  
Hyderabad - 500 007., (T.S.)



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

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

*Vijay Prasad*  
**CHAIRMAN**

*Amna*  
**CHAIRMAN**  
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Hyderabad - 500 007., (15)

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

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

**SEMESTER – VI**

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

*Vejan Poojari*

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*Amara*  
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**NOTE:**

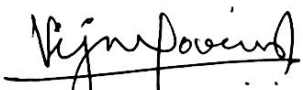
**ELS:** English Language Skill : Second Language Skill; **HUTA:** Hindi, Urdu, Telugu, Arabic bility  
**Enhancement** ompulsory course; **SEC:** Skill Enhancement Course; **DSC:** Discipline Specific Course;  
**DSE:** Discipline Specific Elective; **GE:** Generic Elective;


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

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

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

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

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

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

*Vigneshwari*

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THIRD YEAR: SEMESTER-V: (2021-2022)							
27.	ELS5	English (First Language)	35	15	50	3hrs	3
28.	SLS5	Second Language(HUTA)	35	15	50	3 hrs	3
29.	GE	a) Business Economics	50	-	50	4 hrs	4
30.	DSE501	a) Cost Accounting-(OR) b) Financial Planning & Performance-(OR) c) International Financial Reporting-I	35	15	50	5 hrs	5
31.	DSE502	a) Computerized Accounting-(OR) *(35M + 15P = 50: 5 Credits)	35	15P*/ 15IA	50	3T+4P/ 5Hrs	5
		b) Financial Decision Making-I-(OR) (35M + 15IA = 50: 5 Credits)					
		c) International Tax & Regulation (35M + 15IA = 50: 5 Credits)					
32.	DSE503	a) Fundamentals of E Commerce-(OR) *(35M + 15P = 50: 5 Credits)	35	15P*/ 15IA	50	3T+4P/ 5Hrs	5
		b) Advanced Corporate Accounting-(OR) (35M + 15IA = 50: 5 Credits)					
		c) Financial Management (35M + 15IA = 50: 5 Credits)					
<b>Total</b>						<b>25</b>	<b>25</b>

**SEMESTER – VI**

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

*Vijay Kumar*  
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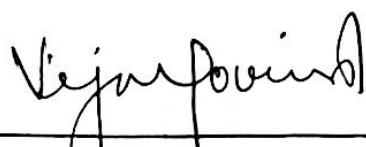
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- The application of rule is same in case of SEC "b" and "c" too.
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#### SUMMARY OF CREDITS

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4	SEC	4	2	8
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7	DSC	12	5	60
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	<b>TOTAL</b>	<b>38</b>		<b>150</b>
	<b>Commerce Subjects</b>	<b>24</b>		<b>106</b>
<b>CREDITS UNDER NON-CGPA</b>		<b>NSS/NCC/Sports/ Extra Curricular</b>	<b>Up to 6 (2 in each year)</b>	
		<b>Summer Internship</b>	<b>Up to 4 (2 in each after I &amp; II years)</b>	

  
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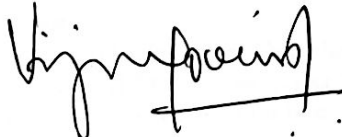



M.COM

CBCS COURSE STRUCTURE

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

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

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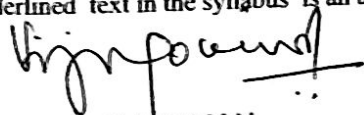
SECOND YEAR THIRD SEMESTER									
Sl. No.	Code	Title of the Paper	THPW	Credits	DESE	Marks			
						IA	A	ESE	Total
11	Com: 11 Core – I	Research Methodology & Statistical Analysis	5	4	3 Hrs	15	5	80	100
12	Com: 12 Core – II	E-Commerce	5 (4T+2P)	4	3 Hrs	-	40 LPE	60	100
13	Com: 13 Core – III	Cost Accounting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

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

\*25=15W+10PR

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


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



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# ANWAR ULULOOM COLLEGE


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Mallepally, Hyderabad-1

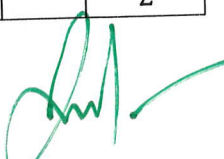
## DEPARTMENT OF COMPUTER SCIENCE

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

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

  
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Associate Professor  
Dept of Maths O.U

  
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Gachibowli, Hyderabad - 500 032.




# ANWAR UL ULOOM COLLEGE


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New Mallepally, Hyderabad-1


## DEPARTMENT OF COMPUTER SCIENCE

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

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

  
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# Anwarul Uloom College (Autonomous)

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



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

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

AECC – Ability Enhancement Compulsory Course

Head of the Department

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



# Anwarul Uloom College (Autonomous)

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



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

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

SECC – Skill Enhancement Compulsory Course

Head of the Department

Dept. of Computer Science & Engineering  
Anwarul Uloom College, Mallepally, Hyderabad-1, A.P.





# Anwarul Uloom College (Autonomous)

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



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

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

GE-General Elective

Head of the Department

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

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

## SEMESTER – I & II

(2021-2022)

### COURSE STRUCTURE

### CHOICE BASED CREDIT SYSTEM PATTERN

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

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# B.A. (ECONOMICS) II year

## SEMESTER – III & IV

(2021-2022)

### COURSE STRUCTURE

#### CHOICE BASED CREDIT SYSTEM PATTERN

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

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Code	Name Of The Paper	HPW	Credit	IA Marks	External Marks	Total marks
BA403	Indian Economy	5hrs	5	15	35	50
<b>SEMESTER -IV</b>						
<b>SECC-III</b>						
SECC-III	Industrial Economics	2hrs	2	--	50	50
<b>SECC-IV</b>						
SECC-IV	Entrepreneurship and Development	2hrs	2	--	50	50



# B.A. (ECONOMICS) III year

## SEMESTER – V & VI

(2021-2022)

### COURSE STRUCTURE

### CHOICE BASED CREDIT SYSTEM PATTERN

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

*VM*

# ANWARUL ULOOM COLLEGE (AUTONOMOUS)

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

No changes

### SEMESTER - I (2021-22)

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

### SEMESTER - II (2021-22)

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

DEPARTMENT OF ELECTRONICS, ANWARUL ULOOM COLLEGE.

*Chairman*  
**CHAIRMAN**  
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 Osmania University  
 Hyderabad - 500007  
 T.S.

*Head of Department*  
**Head of Department**  
 Department of Electronics,  
 Anwar-ul-Uloom College,  
 Hyderabad



# ANWARUL ULOOM COLLEGE (AUTONOMOUS)

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

### SEMESTER - III (2020-21)

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

### SEMESTER - IV (2020-21)

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

# ANWARUL ULOOM COLLEGE (AUTONOMOUS)

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

### SEMESTER - V (2019-20)

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

### SEMESTER - VI (2019-20)

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

DEPARTMENT OF ELECTRONICS, ANWARUL ULOOM COLLEGE

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

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



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 (Affiliated to Osmania University)  
 Mallepally, Hyderabad - 500 001.



**DEPARTMENT OF ELECTRONICS**

2021 - 2022

**COURSE DETAIL**

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

*Dayana*  
**CHAIRMAN**  
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ANWARUL ULOOM COLLEGE. DEPARTMENT OF ELECTRONICS

*Mahamed*  
 Head of the Dept. of Electron  
 Anwar-ul-uloom College, Malle  
 Hyderabad.

2021 - 2022

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

ANWARUL ULOOM COLLEGE. DEPARTMENT OF ELECTRONICS

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Hyderabad - 500007  
T.S.

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

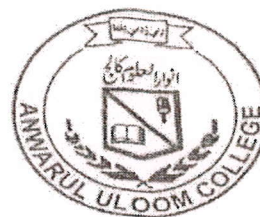


# ANWARUL ULOOM COLLEGE (Autonomous)

(Affiliated to Osmania University)

Syllabus (CBCS), Department of Electronics

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



Semester - I Total Credit = 7

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

Semester - II Total Credit = 7

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

*Signature*

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*Signature*

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

DEPARTMENT OF ELECTRONICS, ANWARUL ULOOM COLLEGE

# ANWARUL ULOOM COLLEGE (Autonomous)

(Affiliated to Osmania University)

Syllabus (CBCS), Department of Electronics

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



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

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

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 T.S.

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

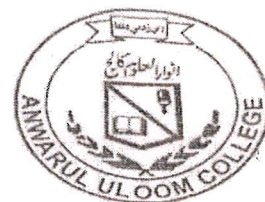


# ANWARUL ULOOM COLLEGE (Autonomous)

(Affiliated to Osmania University)

Syllabus (CBCS), Department of Electronics

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



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

*Sapant*  
**CHAIRMAN**  
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*M. Sahamees*  
 Head of the Dept of Electronics,  
 Anwar-ul-uloom College, Mallepally  
 Hyderabad.

**DEPARTMENT OF ELECTRONICS, ANWARUL ULOOM COLLEGE**

# ANWARUL ULOOM COLLEGE (AUTONOMOUS)

Minority Institution Affiliated to Osmania University, Hyderabad)

Accredited by NAAC with 'A' Grade

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

Department of English

Course Structure

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

2021-22

20-21

19-20

*[Signature]*  
21/03/2022

Chairman  
Board of Studies  
Department of English

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



# ANWARUL ULOOM COLLEGE

## (AUTONOMOUS)

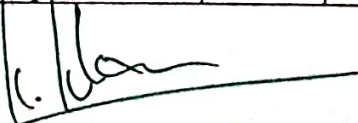
Minority Institution Affiliated to Osmania University, Hyderabad)

Accredited by NAAC with 'A' Grade

### B. A (EHP) - ENGLISH LITERATURE

(W.E.F.2021-22)

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



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

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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, 1 - Semester (CBCS)</b>										
1	I	101	The English Language: History, Description and Practice	5Hrs	20	80	32	100	5	3 Hrs
2	II	102	English Poetry	5 Hrs	20	80	32	100	5	3 [lib
3	III	103	English Drama	5 Mrs	20	80	32	100	5	3 Hrs
4	IV	104	The English Language and Phonetics	5 Hrs	20	80	32	100	5	3 Hrs
5	V	105	Modern Indian Literatures in Translation	5 Hrs	20	80	32	100	5	3 Hrs
6	VI	116	Seminar I	1 Hrs	---	25	---	25	1	2 Hrs
<b>Total</b>				<b>25Hrs</b>				<b>550</b>	<b>26</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	4 Hrs	20	80	32	100	5	3 Hrs
5	V	205	Twentieth Century Literary Criticism and Theory	4 Hrs	20	80	32	100	5	3 Hrs
6	VI	216	Seminar II	1 Hrs	---	25	--	25	1	2 Hrs
<b>Total</b>				<b>25Hrs</b>				<b>550</b>	<b>26</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 [15marks for tests (average of the two tests) and 5 marks for assignment in the subject].

**Capt. Dr. Kausar Begum Khan**

*Head Department of English*

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# ANWARUL ULOOM COLLEGE

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

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

Tutorials: 2 hours per week- No Credits

Notes:

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

**Capt. Dr. Kausar Begum Khan**  
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# ANWARUL ULOOM COLLEGE (Autonomous)

(An Autonomous Muslim Minority Institution)

New Mallepally, Hyderabad – 500 001, T. S., India.

(Affiliated to Osmania University)



## Faculty of Social Sciences

### Department of History

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

B. A. 1<sup>st</sup> Year

( 2021 – 22 )

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

( Approved Syllabus for the Academic Year 2021 – 22 )

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

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# ANWARUL ULOOM COLLEGE (Autonomous)

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

### Department of History

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

B. A. 2<sup>nd</sup> Year  
( 2021 – 22 )

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

( Approved Syllabus for the Academic Year 2021 – 22 )

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

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## Faculty of Social Sciences

### Department of History

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

B. A. 3<sup>rd</sup> Year  
( 2021 – 22 )

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

( Approved Syllabus for the Academic Year 2021 – 22 )

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

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# ANWARUL ULOOM COLLEGE ( AUTONOMOUS )

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New Mallepally, Hyderabad – 500 001, T.S., India.  
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## Department of History Paper Titles & Marks Details ( 2021 - 22 )

(Course Structure & Scheme of Examinations)

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

Govt. Degree College for Women  
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Dr. G. ANJALIA  
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Head of the Department  
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Ashy



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New Mallepally, Hyderabad – 500 001, T.S., India.  
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## Department of History Paper Titles & Marks Details ( 2021 – 22 )

(Course Structure & Scheme of Examinations)

S. No.	Paper No.	Code No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
						Max.	Min.			
<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 C E)	5 Hrs	20	80	32	100	5	3 Hrs
		236	IDE Course: Cultural Heritage of India Part – A.	2 Hrs	–	50	20	50	2	2 Hrs
			<b>Total</b>	<b>29 Hrs</b>				<b>550</b>	<b>27</b>	
<b>M. A. 2<sup>nd</sup> Year, IV – Semester ( CBCS )</b>										
1	I	241	National Movement in India ( 1858 – 1947 CE )	5 Hrs	20	80	32	100	5	3 Hrs
2	II	242	Buddhist Studies	5 Hrs	20	80	32	100	5	3 Hrs
3	III	243	Tribal & Peasant Movement in India (19 <sup>th</sup> & 20 <sup>th</sup> Centuries)	5 Hrs	20	80	32	100	5	3 Hrs
4	IV	244 a	Constitutional History of India ( 1773 – 1947 CE )	5 Hrs	20	80	32	100	5	3 Hrs
		244 b	Archives & Museums							
5	V	245	Women studies in Modern India	5 Hrs	20	80	32	100	5	3 Hrs
6		246	IDE Course: Cultural Heritage of India – Part B	2 Hrs	–	50	20	50	2	2 Hrs
			<b>Total</b>	<b>27 Hrs</b>				<b>550</b>	<b>27</b>	

Total Credits: 100 & Total Marks: 2,000

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

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

**Approved syllabus for the academic year: 2021-22**

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

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

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



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## ANWARUL- ULOOM COLLEGE (AUTONOMOUS)

New Mallepally, Hyderabad

DEPARTMENT OF MATHEMATICS

(Choice Based Credit System)

M.Sc APPLIED MATHEMATICS

Semester- I

2021-2022

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

## Semester II

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



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## ANWARUL- ULOOM COLLEGE (AUTONOMOUS)

New Mallepally, Hyderabad

DEPARTMENT OF MATHEMATICS

(Choice Based Credit System)

M.Sc APPLIED MATHEMATICS

Semester III 2021-2022

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

Continuum  
Mathematics  
Mechanics

## Semester IV

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

IDE in III<sup>rd</sup> & IV<sup>th</sup> Sem offered  
for Non Mathematics Students

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Department of Mathematics  
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Hyderabad-500 007.

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

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

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

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

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

*Shan*

*Madhury*  
**Dr. A. MADHURI**  
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 Narayanaguda, Hyderabad-29.

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

VI-SEM	CORE SUBJECT	UNITS	HOURS	CREDITS	INTERNAL	EXTRNAL	TOTAL	DURATION
DSE	2 A) INDUSTRIAL MICROBIOLOGY - VI OR 2 B) PHARMACEUTICAL MICROBIOOLOGY- VI	4	4	4	15	35	50	2 HRS
DSEP	PRACTICAL	-	2	1	-	-	25	-
SECC - IV	HOSPITAL MANAGEMENT	2	2	2	-	-	50	2 HRS
PROJE CT /	APPLIED METHODOLOGY	3	3	3	15	35	50	2 HRS
	PRACTICAL	-	2	1	-	-	25	-
GE - II	SOIL MICROBIOLOGY	2	2	2	-	-	50	2 HRS

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

Head  
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**Dr. A. MADHURI**  
 Head, Department of Microbiology  
 Government Degree College For Women  
 Begumpet, Hyderabad - 500016  
 Lecturer  
 Dept. of Microbiology  
 P. V. N. S. New Science College  
 Narayanaguda, Hyderabad-29.

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

*[Signature]*  
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 Department of Microbiology  
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 Malleshpally, Hyderabad-01.T.S.

# Anwarul Uloom College (Autonomous)

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

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

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Head of the Department  
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 Nehru Park, Begumpet, Hyderabad-16

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

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 12/4/21

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 10/4/21

*[Handwritten Signature]*

*[Handwritten Signature]*  
**Dr. B. BHAMA, M.Sc., Ph.D.**  
 Associate Professor  
 Department of Microbiology, U.C.S.  
 OSMANIA UNIVERSITY, HYD-7.



*[Handwritten Signature]*  
**HEAD**  
 P.G. Dept. of Microbiology  
 MUMTAZ COLLEGE  
 Hyderabad 500028



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

Head  
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Malakpet, Hyderabad-500038

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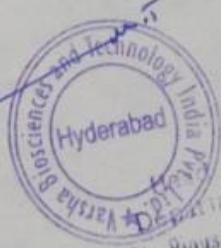
Rayati  
Department of Microbiology  
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Begumpet, Hyderabad-16

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

*[Signature]*

*[Signature]*  
HEAD

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MUMTAZ COLLEGE  
Hyderabad-500038



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

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HEAD  
Dept. of Microbiology  
SANTAZ COLLEGE  
Hyderabad-501103

10/11/21

Rayudu  
12/11/21

Department of Microbiology  
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Begumpet, Hyderabad-16

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

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

Dr. Usha P  
 DEPT. OF FOOD & NUTRI  
 W, Koti, Hyderabad

HEAD  
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 Hyderabad-500007

SUJATHA STEPHEN R.D.  
 HOD NUTRITION DEPT.  
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*(Handwritten signatures and initials)*



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

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

*A. Usha P.*  
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*Muna K*  
 Head of the Dept.

*Sujatha*  
 SUJATHA STEPHEN R.D.  
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 YASHODA HOSPITALS  
 Malakpet, Hyderabad-500036.

*Raheem*



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

*Andersha P*  
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*Mena K*  
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*[Signature]*  
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 Raheem



**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 (CORE)	T Human Nutrition	4	3	4	100 (80+20)
ND 102 (CORE)	T Nutritional Biochemistry-I	4	3	4	100 (80+20)
ND 103 (CORE)	T Human Physiology	4	3	4	100 (80+20)
ND 104 (CORE)	T Principles of Dietetics	4	3	4	100 (80+20)
	seminar	1	-	1	25
<b>Practical</b>					
ND 105 P	Human Nutrition	4	2	2	50
ND 106 P	Nutritional Biochemistry-I	4	2	2	50
ND 107 P	Human Physiology	4	2	2	50
ND 108 P	Principles of Dietetics	4	2	2	50
	<b>Total</b>	<b>16 T + 16P</b>		<b>25</b>	<b>625 ( T+P)</b>

**SECOND SEMESTER**

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

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Mehdipatnam, Hyd-28

Arshika  
Rabala

SUJATHA STEWART  
HOD NUTRITION DEPT  
YASHODA HOSPITALS



**THIRD SEMESTER**

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

**FOURTH SEMESTER**

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


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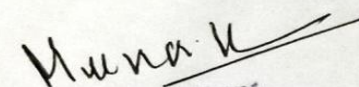
Manna K  
 Kabeem  
 Anilasha P  
 SUJATHA R.D.  
 DEPT. OF FOOD & NUTRITION  
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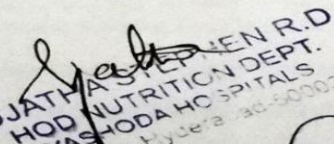
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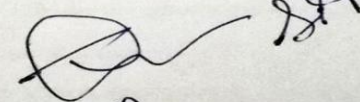




<b>POOL)</b>	<b>ii) Geriatric Nutrition</b>				
	<b>iii) Clinical Nutrition and Immunology</b>				
	<b>i) Diet and Psychology Counselling Skills</b>	<b>4</b>	<b>3</b>	<b>4</b>	<b>100 (80+20)</b>
<b>ND 404 T (ELECTIVE POOL)</b>	<b>ii) Nutrition for Fitness and Sports</b>				
	<b>iii) Maternal and Child Nutrition</b>				
<b>Practical 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>IDE</b>	<b>Food Science</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>50</b>
	<b>Total Marks</b>	<b>32</b>	<b>24</b>	<b>26</b>	<b>650</b>
<b>Grand Total Marks of all the Four Semesters = 625+625+650+650=2550</b>					<b>Theory + Practical</b>

  
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 RAHEEM  
 SA  


**COURSE DETAILS: B.Sc., SUBJECT:PHYSICS**

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



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

*Khalid Hussain*  
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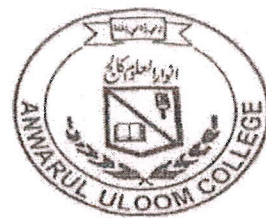
# ANWARUL ULOOM COLLEGE (Autonomous)

(Affiliated to Osmania University)

Department of Physics

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

Syllabus (CBCS)



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

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

*Chandrasekhar*  
Chairman BOS, Dept. of Physics  
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ANWARUL ULOOM COLLEGE, DEPARTMENT OF PHYSICS

# ANWARUL ULOOM COLLEGE (Autonomous)

(Affiliated to Osmania University)

Department of Physics

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



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

*Khaleeqa* ANWARUL ULOOM COLLEGE, DEPARTMENT OF PHYSICS

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



# ANWARUL ULOOM COLLEGE (Autonomous)

(Affiliated to Osmania University)

Department of Physics

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

Syllabus (CBCS)



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

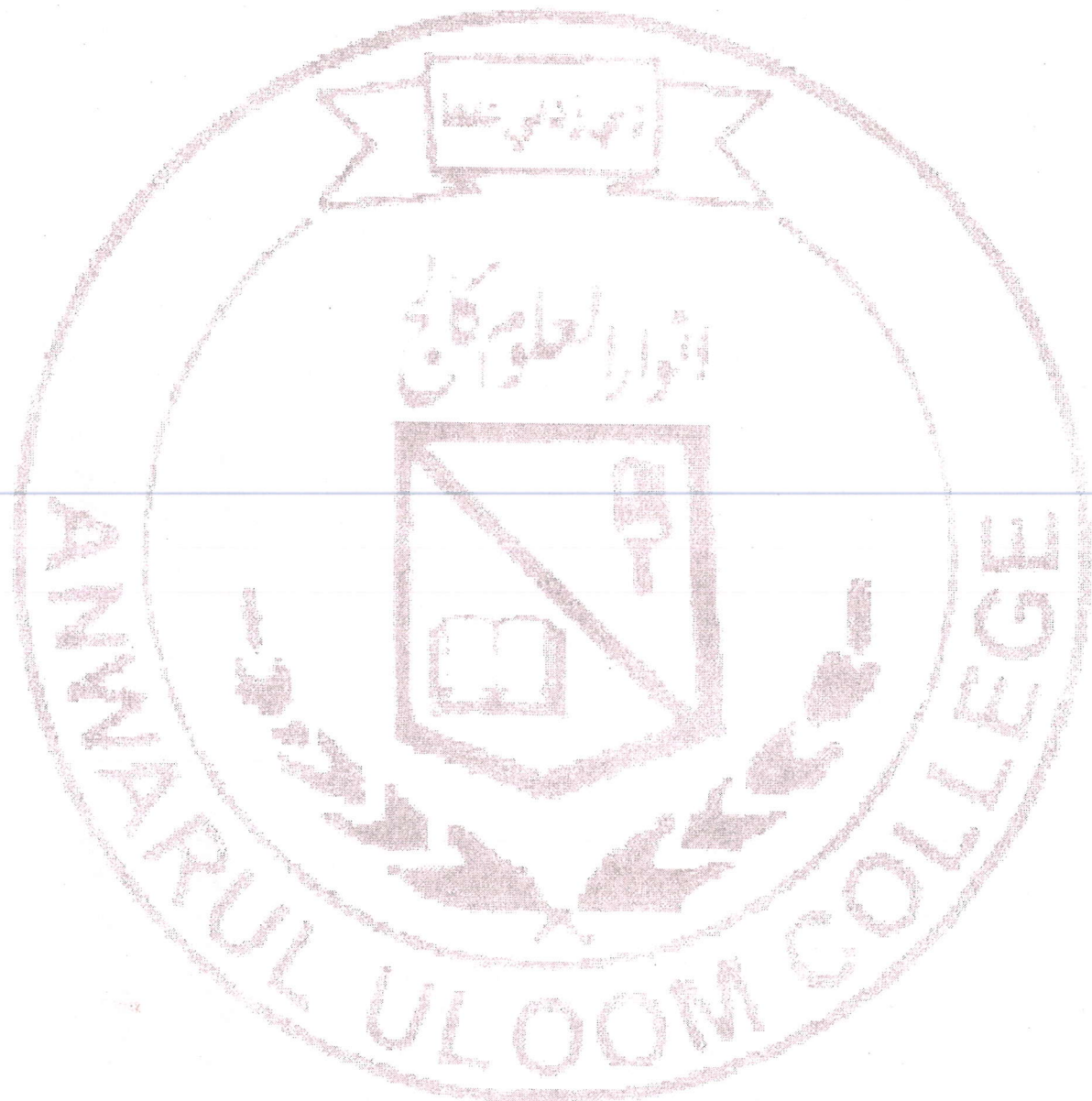
*Khaleeqain*

ANWARUL ULOOM COLLEGE, DEPARTMENT OF PHYSICS

Chairman BOS, Dept. of Physics

ANWAR-UL-ULOOM COLLEGE

Mallepally, Hyderabad-500 001.





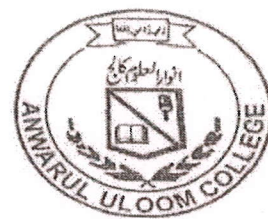
# ANWARUL ULOOM COLLEGE (Autonomous)

(Affiliated to Osmania University)

Department of Physics

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

Syllabus (CBCS)



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

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

*Chalegariya*

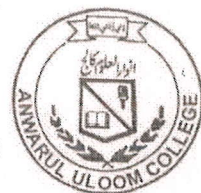
Chairman BOS, Dept. of Physics  
ANWAR-UL-ULOOM COLLEGE  
Mallepally, Hyderabad-500 001.

ANWARUL ULOOM COLLEGE, DEPARTMENT OF PHYSICS

ANWARUL ULOOM COLLEGE, MALLEPALLY, HYDERABAD

M.Sc., PHYSICS PREVIOUS YEAR

(For the batch admitted in 1<sup>st</sup> Year for the Academic Year 2021-2022)



Scheme of Instruction and Examination

SEMESTER - I

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

**Note:**

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

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

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

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

The student has to answer all the questions

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



ANWARUL ULOOM COLLEGE, MALLEPALLY, HYDERABAD

M.Sc., PHYSICS PREVIOUS YEAR

(For the batch admitted in I<sup>st</sup> Year for the Academic Year 2021-2022)



Scheme of Instruction and Examination

SEMESTER - II

S.No.	Sub. Code	Subject	Instructions Hrs / Week	No. of Credits	Max. Marks
<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:</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>Seminar:</b>					
07	P 207	Seminar - II	1	1	25

**Note:**

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

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

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

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

The student has to answer all the questions

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

ANWARUL ULOOM COLLEGE, MALLEPALLY, HYDERABAD

M.Sc., PHYSICS FINAL YEAR

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



Scheme of Instruction and Examination

SEMESTER - III

S.No.	Sub. Code	Subject	Instructions Hrs / Week	No. of Credits	Max. Marks
<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:</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>IDE - Course:</b>					
08	P 308	Principles of Electrical Appliances	3	2	50

**Note:**

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

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

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

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

The student has to answer all the questions

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



ANWARUL ULOOM COLLEGE, MALLEPALLY, HYDERABAD

M.Sc., PHYSICS FINAL YEAR

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



Scheme of Instruction and Examination

SEMESTER - IV

S.No.	Sub. Code	Subject	Instructions Hrs / Week	No. of Credits	Max. Marks
<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:</b>					
06	P 406	Nuclear Physics	6	4	100
07	P 407	Microprocessors (8086) & Microcontroller (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	50

**Note:**

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

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

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

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

The student has to answer all the questions

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

# ANWARUL ULOOM COLLEGE (AUTONOMOUS)

(An Autonomous Muslim Minority Institution)

New Mallepally, Hyderabad-500001 T.S , India



Faculty of Social Sciences

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

Choice Based Credit System Pattern

Approval Syllabus for the Academic Year 2020-21

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

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

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



# ANWARUL ULOOM COLLEGE (AUTONOMOUS)

(An Autonomous Muslim Minority Institution)

New Mallepally, Hyderabad-500001 T.S , India



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

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

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

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

# ANWARUL ULOOM COLLEGE (AUTONOMOUS)

(An Autonomous Muslim Minority Institution)

New Mallepally, Hyderabad-500001 T.S , India

(Affiliated to Osmania University)



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

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

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

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





# ANWARUL ULOOM COLLEGE (AUTONOMOUS)

(An Autonomous Muslim Minority Institution)

New Mallepally, Hyderabad-500001 T.S, India

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

Name of the paper	Scheme of instruction/Hours per week	Credit	Scheme of Examination	
			Internal Assessment Marks	Semester Examination Marks

**Semester-I**

Basics of Public Administration-I	5 Hours	5	20	80
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**AECC-I  
Semester-I**

Environmental Studies	2 Hours	2	----	50
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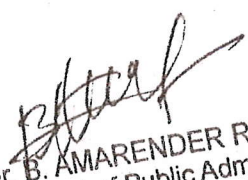
**Semester-II**

Principles and Emerging Trends	5 Hours	5	20	80
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**AECC-II  
Semester-II**

Basic Computer Skills	2 Hours	2	----	50
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41.9.15  
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HYDERABAD.

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



# ANWARUL ULOOM COLLEGE (AUTONOMOUS)

(An Autonomous Muslim Minority Institution)

New Mallepally, Hyderabad-500001 T.S, India

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

Name of the paper	Scheme of instruction/Hours per week	Credit	Scheme of Examination	
			Internal Assessment Marks	Semester Examination Marks

**Semester-III**

Indian Administration-Union Government	5 Hours	5	15	35
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**SECC-I and SECC-II**

**Semester-III**

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

**Semester-IV**

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

**Semester-IV**

Development and local governance-rural governance	2 Hours	2	----	50
Development and local governance-urban governance	2 Hours	2	----	50

11/9/26  
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**ANWARUL-ULOOM COLLEGE (AUTONOMOUS)**  
**HYDERABAD.**

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





# ANWARUL ULOOM COLLEGE (AUTONOMOUS)

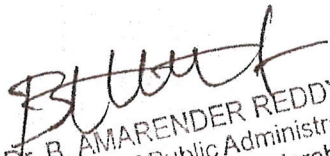
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New Mallepally, Hyderabad-500001 T.S, India

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

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

4196  
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**ANWARUL-ULOOM COLLEGE (AUTONOMOUS)**  
**HYDERABAD.**

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

# ANWARUL ULOOM COLLEGE (Autonomous)

(An Autonomous Muslim Minority Institution)

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

(Affiliated to Osmania University)

(Re-Accredited with NACC with A-Grade)

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

Department of Urdu (Second Language)

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

Approved Syllabus for the Academic Year 2021-22

Course Structure (2021-22)


Marks


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


AECC-Ability Enhancement Compulsory Course

SECC-Skill Enhancement Compulsory Course

IDE- Inter Disciplinary Course

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

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

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



# ANWARUL ULOOM COLLEGE (Autonomous)

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




## Faculty of Arts


### Department of Urdu

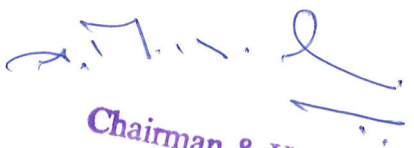
( 2021-22 )

Subjects: Second Language Urdu

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

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

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

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

# ANWARUL ULOOM COLLEGE (Autonomous)

(An Autonomous Muslim Minority Institution)

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



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

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

Course Structure (2021-22)

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

HEAD  
DEPARTMENT OF URDU  
O.U. COLLEGE FOR WOMEN  
AUTONOMOUS

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





# Anwarul Uloom College (Autonomous)

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



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

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

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

AECC - Ability Enhancement Compulsory Course

SECC - Skill Enhancement Compulsory Course

G E - Generic Elective

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