



# ANWARUL ULOOM COLLEGE

(Autonomous)

(Accredited by NAAC with 'A+' Grade)

(Affiliated to Osmania University, Hyderabad)

(A Muslim Minority Institution)

Ref. No.

Date

## 1.2.1 Detail of courses introduced across all programmes offered during 2022-2023

S. No	Name of the Course	Course Code	Year and semester	Programme name	Year of introduction
1	ARABIC - I	SL0103	I YEAR /I SEM	BA,B.COM, B.SC BBA, BBM	1964
2	ARABIC - II	SL0203	I YEAR /II SEM	BA,B.COM, B.SC BBA, BBM	1964
3	ARABIC - III	SL0303	IIYEAR /III SEM	BA,B.COM, B.SC BBA, BBM	1964
4	ARABIC - IV	SL0403	IIYEAR /IV SEM	BA,B.COM, B.SC BBA, BBM	1964
5	ARABIC - V	SL0503	III YEAR /VSEM	BA,B.COM, B.SC BBA, BBM	1964
6	ARABIC - VI	SL0603	III YEAR /VI SEM	BA,B.COM, B.SC BBA, BBM	1964
7	MOLECULAR BIOLOGY & DNA TECHNOLOGY	6308	II YEAR/III SEM	B.Sc.	1992
8	MOLECULAR BIOLOGY & DNA TECHNOLOGY- PR	6308-P	II YEAR/III SEM	B.Sc.	1992
9	COMMUNICATION SKILLS OR PROFESSIONAL SKILLS	SEC-I	II YEAR/III SEM	B.Sc.	1992
10	INDUSTRIAL FERMENTATION OR IMMUNOLOGICAL TECHNIQUES	SEC-II	II YEAR/III SEM	B.Sc.	1992
11	BIostatistics & AND BIOINFORMATICS	6408	II YEAR/IV SEM	B.Sc.	1992
12	BIostatistics & AND BIOINFORMATICS- PR	6408-P	II YEAR/IV SEM	B.Sc.	1992
13	LEADERSHIP AND MANAGEMENT SKILLS OR UNIVERSAL HUMAN VALUES	SEC-III	II YEAR/IV SEM	B.Sc.	1992
14	MOLECULAR MARKERS IN PLANT BREEDING OR DRUG DESIGNING	SECIV	II YEAR/ IV SEM	B.Sc.	1992
15	CELL BIOLOGY AND GENETIC	BT101T	I YEAR/ I SEM	M.Sc.	2015
16	BIOLOGICAL CHEMISTRY	BT102T	I YEAR/ I SEM	M.Sc.	2015
17	MICROBIOLOGY	BT103T	I YEAR/ I SEM	M.Sc.	2015

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18	STATISTICS, LABORATORY MANAGEMENT & SAFETY, ENTREPRENEURSHIP	BT104T	I YEAR/ I SEM	M.Sc.	2015
19	CELL BIOLOGY AND GENETIC PR	BT151P	I YEAR/ I SEM	M.Sc.	2015
20	BIOLOGICAL CHEMISTRY PR	BT152P	I YEAR/ I SEM	M.Sc.	2015
21	MICROBIOLOGY PR	BT153P	I YEAR/ I SEM	M.Sc.	2015
22	STATISTICS, LABORATORY MANAGEMENT & SAFETY, ENTREPRENEURSHIP PR	BT154P	I YEAR/ I SEM	M.Sc.	2015
23	MOLECULAR BIOLOGY - THE GENOME	BT201T	I YEAR/ II SEM	M.Sc.	2015
24	MOLECULAR BIOLOGY - GENES TO PROTEIN	BT202T	I YEAR/ II SEM	M.Sc.	2015
25	IMMUNOLOGY	BT203T	I YEAR/ II SEM	M.Sc.	2015
26	MICROBIAL TECHNOLOGY _ PR	BT204T	I YEAR/ II SEM	M.Sc.	2015
27	MOLECULAR BIOLOGY - THE GENOME - PR	BT251P	I YEAR/ II SEM	M.Sc.	2015
28	MOLECULAR BIOLOGY - GENES TO PROTEIN- PR	BT252P	I YEAR/ II SEM	M.Sc.	2015
29	IMMUNOLOGY - PR	BT253P	I YEAR/ II SEM	M.Sc.	2015
30	MICROBIAL TECHNOLOGY - PR	BT254P	I YEAR/II SEM	M.Sc.	2015
31	PLANT ANATOMY & EMBRYOLOGY	6307	II YEAR/III SEM	B.Sc	1964
32	PLANT ANATOMY & EMBRYOLOGY-PR	6307P	II YEAR/III SEM	B.Sc.	1964
33	NURSERY & GARDENING	A6307	II YEAR/III SEM II YEAR/III SEM	B.Sc.	1964
34	BIOFERTILIZERS & ORGANIC FARMING			B.Sc.	1964
35	CELL BIOLOGY, GENETIC & PLANT PHYSIOLOGY	6407	II YEAR/IV SEM	B.Sc.	1964
36	CELL BIOLOGY, GENETIC & PLANT PHYSIOLOGY- PR	6407P	II YEAR/IV SEM	B.Sc.	1964
37	GREEN HOUSE	I6407	II YEAR/IV SEM	B.Sc.	1964



	TECHNOLOGY		II YEAR/ IV SEM		
38	MUSHROOM CULTURE TECHNOLOGY			B.Sc.	1964
39	PHYCOLOGY AND MYCOLOGY	MBOT.OC. T.1.101	I YEAR/ I SEM	M.Sc. (BOT)	1989
40	BRYOPHYTE & PTERIDOPHYTA	MBOT.OC. T.1.102	I YEAR/ I SEM	M.Sc.	1989
41	TAXONOMY OF ANGIOSPERMS AND MEDICINAL BOTANY	MBOT.OC. T.1.103	I YEAR/ I SEM	M.Sc.	1989
42	PLANT BIOCHEMISTRY	MBOT.OC. T.1.104	I YEAR/ I SEM	M.Sc.	1989
43	PRACTICAL LAB - I	MBOT.OC. P.1.105	I YEAR/ I SEM	M.Sc.	1989
44	PRACTICAL LAB – II	MBOT.OC. P.1.106	I YEAR/ I SEM	M.Sc.	1989
45	PRACTICAL LAB – III	MBOT.OC. P.1.107	I YEAR/ I SEM	M.Sc.	1989
46	PRACTICAL LAB - IV	MBOT.OC. P.1.108	I YEAR/I SEM	M.Sc.	1989
47	APPLIED PHYSIOLOGY AND MYCOLOGY	MBOT.OC. T.1.201	I YEAR/ II SEM	M.Sc.	1989
48	GYMNOSPERMS AND EMBRYOLOGY	MBOT.OC. T.1.202	I YEAR/ II SEM	M.Sc.	1989
49	PLANT ANATOMY AND PALYNOLOGY	MBOT.OC. T.1.203	I YEAR / II SEM	M.Sc.	1989
50	PLANT PHYSIOLOGY	MBOT.OC. T.1.204	I YEAR/ II SEM	M.Sc.	1989
51	PRACTICAL LAB - I	MBOT.OC. P.1.205	I YEAR/ II SEM	M.Sc.	1989
52	PRACTICAL LAB – II	MBOT.OC. P.1.206	I YEAR / II SEM	M.Sc.	1989
53	PRACTICAL LAB – III	MBOT.OC. P.1.207	I YEAR/ II SEM	M.Sc.	1989
54	PRACTICAL LAB - IV	MBOT.OC. P.1.208	I YEAR/ II SEM	M.Sc.	1989
55	HUMAN RESOURCE MANAGEMENT	BBA301	II YEAR/III SEM	BBA	2011
56	IT FOR BUSINESS	BBA302	II YEAR/III SEM	BBA	2011

57	FINANCIAL MANAGEMENT	BBA303	II YEAR/III SEM	BBA	2011
58	ADVANCED COMPUTERS	SECC1	II YEAR/III SEM	BBA	2011
59	BUSINESS POLICY & STRATEGY	SECC2	II YEAR/III SEM	BBA	2011
60	BUSINESS LAW & ETHICS	BBA401	II YEAR/IV SEM	BBA	2011
61	MARKET RESEARCH	BBA402	II YEAR/IV SEM	BBA	2011
62	MANAGEMENT SCIENCE	BBA403	II YEAR/IV SEM	BBA	2011
63	a)LEADERSHIP AND MANAGEMENT SKILLS OR b) UNIVERSAL HUMAN VALUES	SECC3	II YEAR/IV SEM	BBA	2011
64	a)START UP OPPORTUNITY AND FEASIBILITY OR b)BASIC QUALITY MANAGEMENT	SECC4	II YEAR/IV SEM	BBA	2011
65	HUMAN RESOURCE AND MANAGEMENT	BBM 301	II YEAR/III SEM	BBM	2020
66	INFORMATION TECHNOLOGY FOR BUSINESS	BBM 302	II YEAR/III SEM	BBM	2020
67	INFORMATION TECHNOLOGY FOR BUSINESS PR	BBM 302 PR	II YEAR/III SEM	BBM	2020
68	ACCOUNTING FOR MANAGEMENT	BBM 303	II YEAR/III SEM	BBM	2020
69	COMMUNICATION SKILLS OR PROFESSIONAL SKILLS	SEC-1	II YEAR/III SEM	BBM	2020
70	BUSINESS POLICY AND STRATEGY OR ADVANCED COMPUTER SKILLS	SEC-2	II YEAR/III SEM	BBM	2020
71	BUSINESS LAW AND ETHICS	BBM 401	II YEAR/IV SEM	BBM	2020



72	DIGITAL MARKETING	BBM 402	II YEAR/ IV SEM	BBM	2020
73	FINANCIAL MANAGEMENT	BBM 403	II YEAR/IV SEM	BBM	2020
74	LEADERSHIP AND MANAGEMENT SKILLS OR UNIVERSAL HUMAN VALUES	SEC-3	II YEAR/ IV SEM	BBM	2020
75	START UP OPPORTUNITY AND FEASIBILITY OR BASIC QUALITY MANAGEMENT	SEC-4	II YEAR/ IV SEM	BBM	2020
76	PRINCIPLES OF MANAGEMENT	BBA (AI&DS)101	I YEAR/ I SEM	BBA	2022
77	BASICS OF MARKETING	BBA(AI&DS ) 102	I YEAR/ I SEM	BBA	2022
78	BUSINESS ECONOMICS	BBA (AI&DS)103	I YEAR/ I SEM	BBA	2022
79	ENVIRONMENTAL STUDIES	AECC-1	I YEAR/ I SEM	BBA	2022
80	BUSINESS STATISTICS	BBA (AI&DS)201	I YEAR/ II SEM	BBA	2022
81	FINANCIAL ACCOUNTING	BBA (AI&DS)202	I YEAR/ II SEM	BBA	2022
82	IT FOR BUSINESS	BBA (AI&DS)203	I YEAR/ II SEM	BBA	2022
83	BASIC COMPUTER SKILLS	AECC-2	I YEAR/ II SEM	BBA	2022
84	IT FOR BUSINESS PR	BBA(AI&DS ) 203 PR	I YEAR/II SEM	BBA	2022
85	ADVANCED ACCOUNTING	DSC301	II YEAR/III SEM	B.Com.	1964
86	BUSINESS STATISTICS	DSC302	II YEAR/III SEM	B.Com.	1964
87	FINANCIAL INSTITUTIONS AND MARKETS	DSC303	II YEAR/III SEM	B.Com.	1964
88	COMMUNICATION SKILLS	SEC-1	II YEAR/III SEM	B.Com.	1964
89	PRINCIPLES OF INSURANCE	SEC-2	II YEAR/III SEM	B.Com.	1964
90	LEADERSHIP AND	SEC-3	II YEAR/ISEM	B.Com.	1964

	MANAGEMENT SKILLS				
91	PRACTICE OF LIFE AND GENERAL INSURANCE	SEC-4	II YEAR/IV SEM	B.Com.	1964
92	INCOME TAX	DSC401	II YEAR/ IV SEM	B.Com.	1964
93	BUSINESS STATISTICS-II	DSC402	II YEAR/IV SEM	B.Com.	1964
94	CORPORATE ACCOUNTING	DSC403	II YEAR/IV SEM	B.Com.	1964
95	COMMUNICATION SKILLS	SEC1	II YEAR/ III SEM	B.Com.	1964
96	PRINCIPLES OF INSURANCE	SEC2	II YEAR/ III SEM	B.Com.	1964
97	ADVANCED ACCOUNTING	DSC301	II YEAR/III SEM	B.Com.	1964
98	BUSINESS STATISTICS-1	DSC302	II YEAR/III SEM	B.Com.	1964
99	RELATIONAL DATABASE MANAGEMENT SYSTEM	DSC303	II YEAR/III SEM	B.Com.	1964
100	LEADERSHIP AND MANAGEMENT SKILLS	SEC3	II YEAR/IVSEM	B.Com.	1964
101	PRACTICE OF LIFE AND GENERAL INSURANCE	SEC4	II YEAR/ IV SEM	B.Com.	1964
102	INCOME TAX	DSC401	II YEAR/IV SEM	B.Com.	1964
103	BUSINESS STATISTICS-II	DSC402	II YEAR/IV SEM	B.Com.	1964
104	WEB TECHNOLOGIES	DSC403	II YEAR/IV SEM	B.Com.	1964
105	COMMUNICATION SKILLS	SEC-1	II YEAR/ III SEM	B.Com.	1964
106	PRINCIPLES OF INSURANCE	SEC-2	II YEAR/III SEM	B.Com.	1964
107	ADVANCED ACCOUNTING	DSC301	II YEAR/III SEM	B.Com.	2019
108	BUSINESS STATISTICS-1	DSC302	II YEAR/III SEM	B.Com.	2019
109	INTERNATIONAL BUSINESS PROCEDURE AND DOCUMENTATION	DSC303	II YEAR/III SEM	B.Com.	2019
110	LEADERSHIP AND MANAGEMENT SKILLS	SEC-3	II YEAR/IV SEM	B.Com.	2019
111	PRACTICE OF LIFE AND GENERAL INSURANCE	SEC-4	II YEAR/IV SEM	B.Com.	2019
112	INCOME TAX	DSC401	II YEAR/IV SEM	B.Com.	2019
113	BUSINESS STATISTICS-II	DSC402	II YEAR/ IV SEM	B.Com.	2019



114	CORPORATE ACCOUNTING	DSC403	II YEAR/IV SEM	B.Com.	2019
115	COMMUNICATION SKILLS	SEC-1	II YEAR/ III SEM	B.Com.	2019
116	PRINCIPLES OF INSURANCE	SEC-2	II YEARE/II SEM	B.Com.	2019
117	ADVANCED ACCOUNTING	DSC301	II YEAR/III SEM	B.Com.	2001
118	BUSINESS STATISTICS-II	DSC302	II YEAR/III SEM	B.Com.	2001
119	PROGRAMMING WITH C	DSC303	II YEAR/III SEM	B.Com.	2001
120	LEADERSHIP AND MANAGEMENT	SEC-3	II YEAR/III SEM	B.Com.	2001
121	PRACTICE OF LIFE AND GENERAL INSURANCE	SEC-4	II YEAR/IV SEM	B.Com.	2001
122	INCOME TAX	DSC401	II YEAR/IV SEM	B.Com.	2001
123	BUSINESS STATISTICS-II	DSC402	II YEAR/IV SEM	B.Com.	2001
124	OBJECT ORIENTED PROGRAMMING USING C++	DSC403	II YEAR/ IV SEM	B.Com.	2001
125	INDIAN ACCOUNTING STANDARDS	COM1	I YEAR/ I SEM	M.Com.	1989
126		CORE-I		M.Com.	1989
127	MANAGERIAL ECONOMICS AND BUSINESS ENVIRONMENT	COM2:	I YEAR/ I SEM	M.Com.	1989
128		CORE-II		M.Com.	1989
129	MARKETING MANAGEMENT	COM3 CORE-III	I YEAR/ I SEM	M.Com.	1989
130	FINANCIAL MANAGEMENT	COM4:	I YEAR/I SEM	M.Com.	1989
131		COREIV		M.Com.	1989
132	ADVANCED MANAGERIAL ACCOUNTING	COM5:	I YEAR/II SEM	M.Com.	1989
133		CORE-I		M.Com.	1989
134	ORGANIZATION BEHAVIOUR AND HUMAN RESOURCE MANAGEMENT	COM6:	I YEAR/II SEM	M.Com.	1989
135		CORE-II		M.Com.	1989
136	E-COMMERCE	COM7:	I YEAR/ II SEM	M.Com.	1989
137		CORE-III		M.Com.	1989
138	INVESTMENT MANAGEMENT	COM8:	I YEAR/ II SEM	M.Com.	1989
139		CORE-IV		M.Com.	1989
142	PAPER-I(THEORY)	6309	II YEAR/III SEM	B.Sc.	1964

143	PAPER-II(PRACTICALS)	6309P	II YEAR/III SEM	B.Sc.	1964
144	RULES IN CHEMISTRY LAB/PREPARATION OF LAB REAGENTS	A6309	II YEAR/III SEM	B.Sc.	1964
145	PAPER IV (THEORY)	6409	II YEAR/IV SEM	B.Sc.	1964
146	PAPER IV (ELECTIVE)	6409P	II YEAR/IV SEM	B.Sc.	1964
147	INDUSTRIAL CHEMISTRY	SECC-IV	II YEAR/IV SEM	B.Sc.	1964
148	INORGANIC CHEMISTRY	511T	I YEAR/ ISEM	M.Sc.	1989
149	INORGANIC CHEMISTRY PR	515P	I YEAR/ I SEM	M.Sc.	1989
150	ORGANIC CHEMISTRY	512T	I YEAR/ I SEM	M.Sc.	1989
151	ORGANIC CHEMISTRY PR	516P	I YEAR/ I SEM	M.Sc.	1989
152	PHYSICAL CHEMISTRY	513T	I YEAR/ I SEM	M.Sc.	1989
153	PHYSICAL CHEMISTRY PR			M.Sc.	1989
154	ANALYTICAL TECHNIQUES AND	514T	I YEAR/ I SEM	M.Sc.	1989
155	SPECTROSCOPY-1	514T	I YEAR/ I SEM	M.Sc.	1989
156	COMMUNICATIVE ENGLISH SOFT SKILLS	116	I YEAR/ I SEM	M.Sc.	1989
157	INORGANIC CHEMISTRY	521T	IYEAR/IISEM	M.Sc.	1989
158	INORGANIC CHEMISTRY PR	521P	I YEAR/II SEM	M.Sc.	1989
159	ORGANIC CHEMISTRY	522T	I YEAR/IISEM	M.Sc.	1989
160	ORGANIC CHEMISTRY PR	522P	IYEAR/ IISEM	M.Sc.	1989
161	PHYSICAL CHEMISTRY	523T	IYEAR/II SEM I YEAR/IISEM	M.Sc.	1989
162	PHYSICAL CHEMISTRY PR			M.Sc.	1989
163	ANALYTICAL TECHNIQUES AND	524T	I YEAR/II SEM	M.Sc.	1989
164	SPECTROSCOPY- II	524T	IIYEAR/ II SEM	M.Sc.	1989
165	HUMAN VALUES AND PROFESSIONAL ETHICS	126	II YEAR/II SEM	M.Sc.	1989
166	MATHEMATICS-III	7351	II YEAR/III SEM	B.Sc.	1988
167	DLD	7352	II YEAR/III SEM	B.Sc.	1988
168	DLD-LAB	7352P	II YEAR/III SEM	B.Sc.	1988
169	OS	7353	II YEAR/III SEM	B.Sc.	1988
170	OS-LAB	7353P	II YEAR/III SEM	B.Sc.	1988
171	OOP-C++	7354	II YEAR/III SEM	B.Sc.	1988



172	OOP-C++-LAB	7354P	II YEAR/III SEM	B.Sc.	1988
173	SECC-1 COMMUNICATION SKILLS OR PROFESSIONAL SKILLS	SECC-I	II YEAR/IV SEM	B.Sc.	1988
174	SECC-II SOFTWARE ENGINEERING	SECC-II	II YEAR/IV SEM	B.Sc.	1988
175	PROBABILITY AND STATISTICS	7456	II YEAR/IV SEM	B.Sc.	1988
176	MP8086 & INTERFACING	7457	II YEAR/IV SEM	B.Sc.	1988
177	MP8086 – LAB	7457P	II YEAR/IV SEM	B.Sc.	1988
178	DATA STRUCTURES	7458	II YEAR/ IV SEM	B.Sc.	1988
179	DATA STRUCTURES-LAB	7458P	II YEAR/IV SEM	B.Sc.	1988
180	PROG. IN JAVA	7459	II YEAR/IV SEM	B.Sc.	1988
181	PROG. IN JAVA-LAB	7459P	II YEAR/IV SEM	B.Sc.	1988
182	LEADERSHIP AND MANAGEMENT SKILLS OR UNIVERSAL VALUES	S7460	II YEAR/ IV SEM	B.Sc.	1988
183	SOFTWARE ENGINEERING	S7461	II YEAR/ IV SEM	B.Sc.	1988
184	DATA STRUCTURES	6310	II YEAR/III SEM	B.Sc.	1988
185	DATA STRUCTURES LAB	6310P	II YEAR/III SEM	B.Sc.	1988
186	PYTHON-I	6310A2 AND 6310A1	II YEAR/III SEM	B.Sc.	1988
187	CS OR PS		II YEAR/III SEM	B.Sc.	1988
188	DBMS	6410	II YEAR/IV SEM	B.Sc.	1988
189	DBMS LAB	6410P	II YEAR/IV SEM	B.Sc.	1988
190	PYTHON-II LMS OR UHV	A6410 AND A6410	II YEAR/IV SEM	B.Sc.	1988
191	COMMUNICATION	III DSC	II YEAR/ III SEM	B.A	1964

	SKILLS OR PROFESSIONAL SKILLS				
192	MONEY AND BANKING	SECII	II YEAR/III SEM	B.A	1964
193	ENVIRONMENTAL ECONOMICS	SECII	II YEAR/ III SEM	B.A	1964
194	INDIAN ECONOMY			B.A	1964
195	LEADERSHIP AND MANAGEMENT OR UNIVERSAL HUMAN VALUES	IV	II YEAR/ IV SEM	B.A	1964
196	INDUSTRIAL ECONOMICS	SECIVA	II YEAR/ IV SEM	B.A	1964
197	ENTRPRENUERSHIP & DEVELOPMENT	SECIVB	II YEAR/IV SEM	B.A	1964
198	POWER SUPPLIES & ANALOG CIRCUITS			B.Sc.	1964
199	POWER SUPPLIES & ANALOG CIRCUITS PR	6312	II YEAR/III SEM	B.Sc.	1964
200	DIGITAL SIGNAL PROCESSING			B.Sc.	1964
201	MODERN COMMUNICATION SYSTEMS	A6312	II YEAR/III SEM	B.Sc.	1964
202	APPLICATION OF OPERATIONAL	6412	II YEAR/ IV SEM	B.Sc.	1964
203	AMPLIFIERS & COMMUNICATION			B.Sc.	1964
204	APPLICATION OF OPERATIONAL AMPLIFIERS & COMMUNICATION PR	6412	II YEAR/IV SEM	B.Sc.	1964
205	ENGLISH-I	ELS-1	I YEAR /I SEM	B.A	1964
206	ENVIRONMENTAL STUDIES	AECC-I	I YEAR /I SEM	B.A	1964
207	ENGLISH-II	ELS-2	IYEAR /II SEM	B.A	1964
208	BASIC COMPUTER SKILLS	AECC II	IYEAR /II SEM	B.A	1964
209	ENGLISH-III	ELS-3	II YEAR /IIISEM	B.A	1964
210	PROFESSIONAL SKILLS	SECC I	IIYEAR /III SEM	B.A	1964



	DIFFERENT MODES OF WRITING SKILLS	SECC II			
211	ENGLISH-IV	ELS-4	II YEAR/ III SEM	B.A	1964
212	LEADERSHIP MANAGEMENT	SECC III		B.A	1964
213	ENGLISH-V	ELS-5	III YEAR/ V SEM	B.A	1964
214	LSRW SKILLS	GE-I		B.A	1964
215	ENGLISH-VI	ELS-6	III YEAR/ VI SEM	B.A	1964
	GRAMMER	GE II	III YEAR/VI SEM	B.A	1964
220	ENGLISH DRAMA	III DSC	II YEAR /IIISEM	B.A	
221	PROFESSIONAL SKILLS	SECC-I	IIYEAR /III SEM	B.A	1964
222	DIFFERENT MODES OF WRITING IN ENGLISH	SECC-II	II YEAR/ III SEM	B.A	1964
223	ENGLISH FICTION	IV DSC	II YEAR /IVSEM	B.A	1964
224	LEADERSHIP MANAGEMENT	SECC-III	IIYEAR /IV SEM	B.A	1964
225	VOCABULARY AN INTRODUCTION	SECC-IV	II YEAR/ IV SEM	B.A	1964
230	THE ENGLISH LANGUAGE: HISTORY,STRUCTURE, AND DESCRIPTION	101	I YEAR/ I SEM	M.A	2018
231	ENGLISH POETRY	102	I YEAR/ I SEM	M.A	2018
232	AMERICAN LITERATURE-1	103	I YEAR/ I SEM	M.A	2018
233	INDIAN WRITING IN ENGLISH-I	104	I YEAR/ I SEM	M.A.	2018
234	ENGLISH LANGUAGE TEACHING HISTORY, APPROACHES AND METHODS	201	I YEAR/ IISEM	M.A	2018
235	ENGLISH DRAMA	202	I YEAR/II SEM	M.A	2018
236	AMERICAN LITERATURE-II	203	I YEAR/ II SEM	M.A	2018
237	INDIAN WRITING IN ENGLISH-II	204	I YEAR/ II SEM	M.A	2018
238	SEMINAR-I	205	I YEAR/ II SEM	M.A	2018
239	HISTORY OF INDIA	1313	II YEAR/ III SEM	B.A	1964
240	(FROM 1526-1857CE)	SECC1 AND	II YEAR/III SEM	B.A	1964

		SECC2			
241	COMMUNICATION AND PROFESSIONAL SKILLS		II YEAR/ III SEM	B.A	1964
242	HISTORICAL AND CULTURAL TOURISM		II YEAR/ IV SEM	B.A	1964
243	HISTORY OF INDIA	1413	II YEAR/IV SEM	B.A	1964
244	(FROM 1858 -1964 CE)	1413	II YEAR/ IV SEM	B.A	1964
245	REAL ANALYSIS	6314T	II YEAR III SEM	B.Sc.	1964
246	COMMUNICATION SKILLS OR PROFESSIONAL SKILLS	SECC-I	II YEAR/III SEM	B.Sc.	1964
247	INTRODUCTION TO KLAPLACE TRANSFORM OR COMMERCIAL MATHEMATICS	SECC-II	II YEAR/IV SEM	B.Sc.	1964
248	ALGEBRA	6414T	II YEAR/IV SEM	B.Sc.	1964
249	LEADERSHIP AND MANAGEMENT SKILLS OR UNIVERSAL HUMAN VALUES	SECC-III	II YEAR/IV SEM	B.Sc.	1964
250	PROBABILITY AND STATISTICS OR BASIC MATHEMATICS	SECC-IV	II YEAR/IV SEM	B.Sc.	1964
251	ABSTRACT ALJEBRA	AM101	I YEAR/ I SEM	M.Sc.	1989
252	MATHEMATICAL ANALYSIS	AM102	I YEAR / I SEM	M.Sc.	1989
253	ORDINARY AND PARTIAL DIFFERENTIAL EQUATIONS	AM103	I YEAR/ I SEM	M.Sc.	1989
254	MECHANICS	AM104	I YEAR / I SEM	M.Sc.	1989
255	INTEGRAL TRANSFORM	AM105	I YEAR/ I SEM	M.Sc.	1989
256	COMMUNICATIVE ENGLISH AND SOFT SKILLS	ADD ON	I YEAR/ I SEM	M.Sc.	1989
257	GALOIS THEORY	AM201	I YEAR/II SEM	M.Sc.	1989
258	LEBESGUE MEASURE & INTEGRATION	AM202	I YEAR/ II SEM	M.Sc.	1989



259	COMPLEX ANALYSIS	AM203	I YEAR/ I SEM	M.Sc.	1989
260	FLUID MECHANICS	AM204	I YEAR/II SEM	M.Sc.	1989
261	THEORY OF ORDINARY DIFFERENTIAL EQUATIONS	AM205	I YEAR/ II SEM	M.Sc.	1989
262	HUMAN VALUES AND PROFESSIONAL ETHICS	ADD ON	I YEAR/ II SEM	M.Sc.	1989
263	FOOD & ENVIRONMENTAL MICROBIOLOGY	DSC	II YEAR/III SEM	B.Sc.	1992
264	FOOD & ENVIRONMENTAL MICROBIOLOGY PR		II YEAR/III SEM	B.Sc.	1992
265	PHARMACUETICAL	SECCI	II YEAR/III SEM	B.Sc.	1992
266	FOOD ADULTERATION	SECCII	II YEAR/III SEM	B.Sc.	1992
267	MEDICINAL MICROBIOLOGY & IMMUNOLOGY	DSC AND DSCP	II YEAR/IV SEM	B.Sc.	1992
268	MEDICINAL MICROBIOLOGY & IMMUNOLOGY PR			B.Sc.	1992
269	MUSHROOM CULTIVATION	SECCIII	II YEAR/ IV SEM	B.Sc.	1992
270	HOSPITAL MANAGEMENT	SECCIV	II YEAR/ IV SEM	B.SC	1992
271	GENERAL MICROBIOLOGY AND MICROBIAL PHYSIOLOGY	MB101	I YEAR/ I SEM	M.Sc.	2021
272	VIROLOGY	MB102	I YEAR/ I SEM	M.Sc.	2021
273	RESEARCH METHODOLOGY AND TECHNIQUIES	MB103	I YEAR/ I SEM	M.Sc.	2021
274	MICROBIAL BIOCHEMISTRY	MB104	I YEAR/I SEM	M.Sc.	2021
275	GENERAL MICROBIOLOGY AND MICROBIAL PHYSIOLOGY	MB151	I YEAR/ ISEM	M.Sc.	2021
276	VIROLOGY	MB152	I YEAR/I SEM	M.Sc.	2021

277	RESEARCH METHODOLOGY AND TECHNIQUES	MB153	I YEAR/ II SEM	M.Sc.	2021
278	MICROBIAL BIOCHEMISTRY	MB154	I YEAR/ I SEM	M.Sc.	2021
279	MOLECULAR BIOLOGY AND MICROBIAL GENETICS	MB201	I YEAR/ II SEM	M.Sc.	2021
280	ENVIRONMENTAL AND MICROBIOLOGY	MB202	I YEAR/ II SEM	M.Sc.	2021
281	IMMUNOLOGY	MB203	I YEAR/ II SEM	M.Sc.	2021
282	PHARMACEUTICAL MICROBIOLOGY	MB204	I YEAR/II SEM	M.Sc.	2021
283	PHARMACEUTICAL MICROBIOLOGY	MB254	I YEAR/ II SEM	M.Sc.	2021
284	NORMAL THERAPUTIC NUTRITION THEORY	301	II YEAR/III SEM	B.Sc.	2011
285	NORMAL THERAPUTIC NUTRITION THEORY (P)	301P	II YEAR/III SEM	B.Sc.	2011
286	COMMUNICATION SKILLS OR PROFESSIONAL SKILLS	SECC-I	II YEAR/III SEM	B.Sc.	2011
287	FOOD SERVICE MANAGEMENT OR BAKERY SCIENCE	SECC II	II YEAR/III SEM	B.Sc.	2011
288	DIET IN DISEASE THEORY	401	II YEAR/ IV SEM	B.Sc.	2011
289	DIET IN DESEASE PRACTICAL	401P	II YEAR / IV SEM	B.Sc.	2011
290	LEADERSHIP MANAGEMENT OR UNIVERSAL HUMAN VALUES	SECC-III	II YEAR/ IV SEM	B.Sc.	2011
291	DIET COUNSELLING SKILLS OR STRATEGIES FOR WEIGHT MANAGEMENT	SECC-IV	II YEAR/ IV SEM	B.Sc.	2011
292	HUMAN NUTRITION	ND101T	I YEAR/ I SEM	M.Sc.	2015
293	NUTRITIONAL	ND102T	I YEAR/I SEM	M.Sc.	2015




	BIOCHEMISTRY-I				
294	HUMAN PHYSIOLOGY	ND103T	I YEAR/ I SEM	M.Sc.	2015
295	PRINCIPLES OF DIETETICS	ND104T	I YEAR/I SEM	M.Sc.	2015
296	HUMAN NUTRITION PR	ND105P	I YEAR/ I SEM	M.Sc.	2015
297	NUTRITIONAL BIOCHEMISTRY-I PR	ND106P	I YEAR/I SEM	M.Sc.	2015
298	HUMAN PHYSIOLOGY PR	ND107P	I YEAR/ I SEM	M.Sc.	2015
299	PRINCIPLES OF DIETETICS PR	ND108P	I YEAR/I SEM	M.Sc.	2015
300	PRINCIPLES OF FOODS	ND201T	I YEAR/ II SEM	M.Sc.	2015
301	NUTRITIONAL BIOCHEMISTRY-II	ND202T	I YEAR/ II SEM	M.Sc.	2015
302	RESEARCH METHODOLOGY	ND203T	I YEAR/ II SEM	M.Sc.	2015
303	DIET IN DISEASE	ND204T	I YEAR/ II SEM	M.Sc.	2015
304	PRINCIPLES OF FOODS PR	ND205P	I YEAR/ II SEM	M.Sc.	2015
305	NUTRITIONAL BIOCHEMISTRY-II PR	ND206P	I YEAR/ II SEM	M.Sc.	2015
306	RESEARCH METHODOLOGY PR	ND207P	I YEAR/ II SEM	M.Sc.	2015
307	DIET IN DISEASE	ND208P	I YEAR/ II SEM	M.Sc.	2015
308	ELECTRO-MAGNETIC THEORY	6318	II YEAR/III SEM	B.Sc.	1964
309	ELECTRO-MAGNETIC THEORY-LAB		II YEAR/III SEM	B.Sc.	1964
310	COMMUNICATION SKILLS	SECC-I	II YEAR/III SEM	B.Sc.	1964
311	PROFESSIONAL SKILLS	SECC-II	II YEAR/III SEM	B.Sc.	1964
312	SOLAR ENERGY & ITS COLLECTORS	A6318	II YEAR/III SEM	B.Sc.	1964
313	STORAGE AND UTILIZATION OF SOLAR ENERGY		II YEAR/III SEM	B.Sc.	1964
314	WAVES & OPTICS	6418	II YEAR/IV SEM	B.Sc.	1964
315	OPTICS LAB		II YEAR/IVSEM	B.Sc.	1964
316	LEADERSHIP AND	SECC-III	II YEAR/IV SEM	B.Sc.	1964

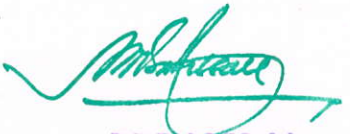
	MANAGEMENT SKILLS				
317	UNIVERSAL VALUES AND ETHICS	SECC-III	II YEAR/IV SEM	B.Sc.	1964
318	SOLAR ENERGY	SECC-4	II YEAR/ IV SEM	B.Sc.	1964
319	CHEMICAL ENERGY	SECC-IV	II YEAR/IV SEM	B.Sc.	1964
320	INDIAN POLITICAL THOUGHT	III DSC AND SECC I	II YEAR/ III SEM	B.A	1964
321	COMMUNICATION SKILLS OR PROFESSIONAL SKILLS			B.A	1964
322	EMANCIPATION OF WOMEN	SECC II A	II YEAR/III SEM	B.A	1964
323	CASTE SYSTEM IN INDIA	SECC II B	II YEAR/IV SEM	B.A	1964
324	CONSTITUTION AND POLITICS OF INDIA	IV DSC AND SECC III	II YEAR/IV SEM	B.A	1964
325	LEADERSHIP AND MANAGEMENT SKILLS OR HUMAN VALUES			B.A	1964
326	INDIAN ADMINISTRATION- UNION GOVT.	DSC III	II YEAR/III SEM	B.A	1964
327	COMMUNICATION SKILLS OR PROFESSIONAL SKILLS	SECC 1	II YEAR/III SEM	B.A	1964
328	LOCAL SELF GOVERNANCE OR PUBLIC RELATION	SECC II	II YEAR/III SEM II YEAR/III SEM	B.A	1964
329	STATE ADMINISTRATION	DSC IV	II YEAR/IV SEM	B.A	1964
330	LEADERSHIP AND MANAGEMENT SKILL OR UNIVERSAL HUMAN VALUE	SECC III	II YEAR/IV SEM	B.A	1964
331	ANIMAL PHYSIOLOGY	DSC III	II YEAR/III SEM	B.Sc.	1964
332	ANIMAL PHYSIOLOGY PR	SECCI	II YEAR/III SEM II YEAR/III SEM	B.Sc.	1964
333	COMMUNICATION SKILLS OR PROFESSIONAL SKILLS			B.Sc.	1964



334	VECTORS	SECCI A	II YEAR/III SEM	B.Sc.	1964
335	VERMICULTURE	SECCII B	II YEAR/ III SEM	B.Sc.	1964
336	CELL BIOLOGY- GENETICS & EVOLUTION	DSC IV	II YEAR/ III SEM	B.Sc.	1964
337	CELL BIOLOGY- GENETICS & EVOLUTION PR	DSC IV P AND SECCIII	II YEAR/ IV SEM	B.Sc.	1964
338	LEADERSHIP AND MANAGEMENT SKILLS OR UNIVERSAL HUMAN VALUES			B.Sc.	1964
339	APICULTURE	SECC IVA	II YEAR/ IV SEM	B.Sc.	1964
340	BIODIVERSITY CONSERVATION & ECO- TOURISM	SECC IVB	II YEAR/ IV SEM	B.Sc.	1964
341	HINDI-I	SL0101	I YEAR /I SEM	BA,B.COM, B.SC BBA, BBM	1964
342	HINDI-II	SL0102	I YEAR /II SEM	BA,B.COM, B.SC BBA, BBM	1964
343	HINDI-III	SL0103	IIYEAR /III SEM	BA,B.COM, B.SC BBA, BBM	1964
344	HINDI-IV	SL0104	IIYEAR /IV SEM	BA,B.COM, B.SC BBA, BBM	1964
345	HINDI-V	SL0105	III YEAR /VSEM	BA,B.COM, B.SC BBA, BBM	1964
346	HINDI-IV	SL0106	III YEAR /VI SEM	BA,B.COM, B.SC BBA, BBM	1964
347	TELUGU -I	SL0101	I YEAR /I SEM	BA,B.COM, B.SC BBA, BBM	1964
348	TELUGU -II	SL0201	I YEAR /II SEM	BA,B.COM, B.SC BBA, BBM	1964
349	TELUGU -III	SL0301	IIYEAR /III SEM	BA,B.COM, B.SC BBA, BBM	1964
350	TELUGU -IV	SL0401	IIYEAR /IV SEM	BA,B.COM, B.SC BBA, BBM	1964
351	TELUGU -V	SL0501	III YEAR /VSEM	BA,B.COM, B.SC BBA, BBM	1964
352	TELUGU -VI	SL0601	III YEAR /VI SEM	BA,B.COM, B.SC BBA, BBM	1964
353	ENVIRONMENTAL SCIENCE /BASIC COMPUTERS SKILLS	AECC 1	I YEAR /I SEM	B.A	2022

	PSYCHOLOGY				
354	GENERAL PSYCHOLOGY	DSC 101	I YEAR /I SEM	B.A	2022
355	ENGLISH LITERATURE-1	DSC102	I YEAR /I SEM	B.A	2022
356	HISTORY-I	DSC103	I YEAR /I SEM	B.A	2022
357	BASIC COMPUTER SKILLS /ENVIRONMENTAL SCIENCE	AECC 2	I YEAR /II SEM	B.A	2022
358	PERSONALITY THEORIES AND ASSESSMENT	DSC 201	I YEAR /II SEM	B.A	2022
359	ENGLISH LITERATURE-II	DSC 202	I YEAR /II SEM	B.A	2022
360	HISTORY II	DSC 203	I YEAR /II SEM	B.A	2022
361	URDU-I	SL0102	I YEAR /I SEM	BA,B.COM, B.SC BBA, BBM	1964
362	URDU-II	SL0202	I YEAR /II SEM	BA,B.COM, B.SC BBA, BBM	1964
363	URDU-III	SL0302	IIYEAR /III SEM	BA,B.COM, B.SC BBA, BBM	1964
364	URDU-IV	SL0402	IIYEAR /IV SEM	BA,B.COM, B.SC BBA, BBM	1964
365	URDU-V	SL0502	III YEAR /VSEM	BA,B.COM, B.SC BBA, BBM	1964
366	URDU-VI	SL0602	III YEAR /VI SEM	BA,B.COM, B.SC BBA, BBM	1964

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

  
**PRINCIPAL**  
 Anwarul Uloom **PRINCIPAL** (Autonomous)  
 New Mallepally, Hyderabad-01.



**ANWARUL ULOOM COLLEGE, MALLEPALLY , HYDERABAD.TS**  
 (An Autonomous Muslim Minority Institution Affiliated To Osmania University )  
 Bachelor Of Arts, Commerce, Science & Business Administration

**DEPARTMENT OF ARABIC (Second Language)**  
 Under Graduate I, II & III Year (CBCS)  
 Approved Syllabus for the Academic Year 2022 – 2023

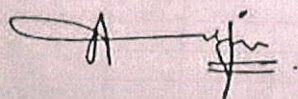
**COURSE STRUCTURE**

S.NO	YEAR	SEMESTER	PAPER TITLE	TEACHING HOURS/ WEEK	UNITS	CREDITS	INTERNAL MARKS	END SEMESTER MARKS	TOTAL mark
1	I Year	I	Arabic – I Annasural Qadeem Annasrul Jadeed, Qavaeed, Tariqul Adabul Arabi. (Arabic Sec. Language)	4	4	4	20	80	100
2			Environmental Studies (AECC –I)	2	2	2	-	50	50
3	I Year	II	Arabic – II Annasrul Qadeem, Annasrul Jadeed, Qaveed Tariqul Adabul Arabi (Arabic Sec. Language)	4	4	4	20	80	100
4			Basic Computer Skills(AECC – II)	2	2	2	-	50	50
5	II Year	III	Arabic – III Annasrul Qadeem, Annasrul Jadeed, Qava eed, Tariqul Adabul Arabi. ( Arabic Second Language)	4	4	4	20	80	100
6			Advance Grammar, Information Technology & Functional Arabic. (SECC II)	2	2	2	-	50	50
7	II Year	IV	ARABIC IV Annasrul Qadeem, Annasrul Jadeed , Qavaeed , Tariqul Adabul Arabi. (Sec.Lang.Arabic)	4	4	4	20	80	100
8			Advance Grammar,	2	2	2	-	50	50



			Information Technology & Functional Arabic (SECC III & IV)						
9	III Year	V	Arabic – V Annasrul Qadeem, Jadeed, Translation, Al Shair, Tariqul Adabul Arabi (Sec. Language Arabic)	3	3	3	15	35	50
10			GE I	2	2	2	-	50	50
11	III Year	VI	Arabic – VI Annasrul Jadeed, Compositions and History of Arabic literature. (Sec.Lang. Arabic)	3	3	3	15	35	50
12			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.



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



Head  
Dept. of Arabic, UCASS  
Osmania University, Hyd-7 (TS)



# Anwarul Uloom College (Autonomous)

Department of Biotechnology

B. Sc (Bt. M.C)

Subject: BIOTECHNOLOGY (2022-2023)

No.	Year	Sem	Paper / Title	Teaching Hours /Week	Units	Credits	Marks		
							Internal assessment	Semester	Total
1	2022 - 2023	I	Cell Biology & Genetics –Theory	4	4	4	20	80	100
2			Cell biology & Genetics –Practical	2	—	1	—	50	50
3			Environmental science (AECC-I)	2	—	2	—	50	50
4		II	Nucleic acids & Biochemistry Theory	4	4	4	20	80	100
5			Nucleic Acids & Biochemistry –Practical	2	—	1	—	50	50
6			Basic Computer Skills (AECC-II)	2	—	2	—	50	50
7			Molecular biology & rDna Technology -- Theory	4	4	4	20	80	100
8			Molecular biology & rDna Technology -- Practical	2	—	1	—	50	50
9	2021 - 2022	III	SEC- I A) Communication Skills Or B) Professional Skills	2	—	2	—	50	50
10			SEC – II A) Industrial fermentation Or B) Immunological techniques	2	2	2	—	50	50
11		IV	Biostatistics & Bioinformatics Theory	4	4	4	20	80	100
12			Biostatistics & Bioinformatics Practical	2	—	1	—	50	50
13			SEC- III A) Leadership & Management Skills Or B) Universal Human Values	2	—	2	—	50	50
14			SEC- IV A) Molecular markers in plant breeding Or B) Drug designing	2	2	2	—	50	50
15	2020 - 2021	V	Elective – A Plant biotechnology- Theory	4	4	4	15	35	50
16			Elective – B Medical biotechnology - Theory	4	—	—	—	—	—
17		Elective – A Plant biotechnology – Practical	2	—	1	—	25	25	
18		Elective – B Medical biotechnology – Practical	2	—	1	—	25	25	
19	VI	Basics in biotechnology – (GE- I)	4	4	4	—	50	50	
20		Elective – A - Animal biotechnology – Theory	4	4	4	15	35	50	
21		Elective – B - Environmental biotechnology - Theory	4	—	—	—	—	—	
22			Elective – A Animal biotechnology – Practical	2	—	1	—	25	25
23			Elective – B Environmental biotechnology –Practical	2	—	1	—	25	25
24			Research methodology/ project	4	—	4	—	100	100

AECC – Ability Enhancement Compulsory Course

SEC – Skill Enhancement Compulsory Course

GE – Generic Electives

*Dr. Anita*

*Dr. Smita C. Pawar*  
Associate Professor  
Department of Biotechnology  
University of Hyderabad, Hyderabad

*Dr. P. S. Rao*

*Dr. Anwarul Uloom*

**Head of the Department**  
**CHAIRPERSON**  
**BOARD OF STUDIES**  
Department of Biotechnology  
Anwarul Uloom College (Autonomous)  
New Mallepally, Hyderabad

# ANWARUL ULOOM COLLEGE

(AUTONOMOUS)

## M.Sc. Biotechnology Syllabus (2022-2023)

CHOICE BASED CREDIT SYSTEM (CBCS)

### SEMESTER - I

No.	Paper No.	Title	Hours / Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
					Max.	Min.			
<b>Theory</b>									
1	I	Cell Biology and Genetics	3	30	70	28	100	3	3
2	II	Biological Chemistry	3	30	70	28	100	3	3
3	III	Microbiology	3	30	70	28	100	3	3
4	IV	Statistics, Lab Management and Safety, Entrepreneurship	3	30	70	28	100	3	3
<b>Practicals</b>									
5	I	Cell Biology and Genetics	4	--	50	25	50	2	3
6	II	Biological Chemistry	4	--	50	25	50	2	3
7	III	Microbiology	4	--	50	25	50	2	3
8	IV	Statistics, Lab Management and Safety, & Entrepreneurship	4	--	50	25	50	2	3
		<b>Total</b>	28	120	480	212	600	20	

*Dr. Nile*

*Ahmed*

*Ahmed*

*Mahjabeen*



**ANWARUL ULOOM COLLEGE  
(AUTONOMOUS)  
M.Sc. BIOTECHNOLOGY SYLLABUS (2022 – 2023)**

**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	3	4	30	70	100
2.	BT 202 T	Molecular Biology- Genes to Proteins	3	4	30	70	100
3.	BT 203 T	Immunology	3	4	30	70	100
4.	BT 204 T	Microbial technology	3	4	30	70	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
	IDE	HBPE HV&PE	2	2		50	50
		<b>Total</b>	<b>26</b>	<b>34</b>	<b>80</b>	<b>570</b>	<b>650</b>

T- Theory, P-Practical

*Dr. S. C. Pawan*

Prof. Smita C. Pawan  
Head & Professor  
Chairperson-BoS in Biotechnology  
Department of Genetics & Biotechnology  
Osmania University, Hyd-500 007.

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**CHAIRPERSON  
BOARD OF STUDIES**  
Department of Biotechnology  
Anwarul Uloom College (Autonomous)  
New Malleshpally, Hyderabad-T.S. India.

ANWARUL ULOOM COLLEGE  
(AUTONOMOUS)  
M.Sc. BIOTECHNOLOGY SYLLABUS (2022-2023)  
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>

*Dr. Smita C. Pawar*  
Prof. Smita C. Pawar  
Head & Professor  
Chairperson- BoS in Biotechnology  
Department of Genomics & Biotechnology  
Osmania University, Hyd-500 007.

*Chairperson*  
CHAIRPERSON  
BOARD OF STUDIES  
Department of Biotechnology  
Anwarul Uloom College (Autonomous)  
New Malleshpally, Hyderabad-T.S. India.



**ANWARUL ULOOM COLLEGE  
(AUTONOMOUS)  
M.Sc. BIOTECHNOLOGY SYLLABUS (2022-2023)  
CHOICE BASED CREDIT SYSTEM (CBCS)**

**SEMESTER - IV**

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

T- Theory, P-Practical

*Smile*

Prof. Smita C. Pawar  
Head & Professor  
Department of Biotechnology  
Osmania University, Hyderabad-500 007

*[Signature]*  
**CHAIRPERSON  
BOARD OF STUDIES  
Department of Biotechnology  
Anwarul Uloom College (Autonomous)  
New Mallepally, Hyderabad-T.S. India.**

*[Signature]*

## BZC- Botany

### Semester I

Sem I	Core Subject	Units	Hours	Credits	Internal	External	Total	Duration
DSC	Paper I Microbial diversity in lower plants	4	4	4	20	80	100	3 Hrs
DSC	Practical	-	3	1	-	-	50	3 Hrs
AECC 1	Environmental Sciences	2	2	2	-	-	50	2 Hrs

### Semester II

Sem-II	Core Subject	Units	Hours	Credits	Internal	External	Total	Duration
DSC	Paper II Gymnosperms, Taxonomy & Ecology	4	4	4	20	80	100	3 Hrs
DSC	Practicals	-	3	1	-	-	50	3 Hrs
AECC 1	Basic Computer Skills	2	2	2	-	-	50	2 Hrs

### Semester III

Sem III	Core Subject	Units	Hours	Credits	Internal	External	Total	Duration
DSC	Paper III: Anatomy & Embryology	4	4	4	20	80	100	3 Hrs
DSC	Practicals	-	3	1	-	-	50	3 Hrs
SEC I	A Communication Skills / 04 B Professional Skills	2	2	2	-	-	50	2 Hrs
SEC II	A Nursery & Gardening / 04 B Biofertilizers & Organic Farming	2	2	2	-	-	50	2 Hrs

### Semester IV

Sem IV	Core Subject	Units	Hours	Credits	Internal	External	Total	Duration
DSC	Paper IV: Cell Biology, Genetics & Ecology	4	4	4	20	80	100	3 Hrs
DSC	Practicals	-	3	1	-	-	50	3 Hrs
SEC III	A Leadership & Management Skills / B Universal Human Values	2	2	2	-	-	50	2 Hrs
SEC IV	A Green House technology / 04 B Mushroom Culture technology	2	2	2	-	-	50	2 Hrs

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Semester V

Sem V	Core Subject	Units	Hours	Credits	Internal	External	Total	Duration
DSE 1	1A: Biodiversity and Conversation 1B: Economic Botany 1C: Seed Technology	4	4	4	20	80	100	3 Hrs
DSE 1	Practical	-	3	1	-	-	50	3 Hrs
GE 1	Industrial Microbiology	2	2	2	-	-	50	2 Hrs

Semester VI

Sem V	Core Subject	Units	Hours	Credits	Internal	External	Total	Duration
DSE 2	2A: Plant Molecular Biology 2B: Tissue Culture & Biotechnology 2C: Analytical techniques in plant sciences	4	4	4	15	35	50	2 Hrs
DSE 2	Practical	-	3	1	-	-	25	2 Hrs
DSE 3	Project / Optional	-	-	5	-	-	100	-

Director  
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Hydr

S. Srinivasulu Reddy  
Managing Director  
NOTA LABORATORIES  
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Hyderabad-500 001.  
Phone: 91-40-23342774

CHANDRASEKHAR  
BIOLOGY LABORATORY  
OSMANIA UNIVERSITY  
HYDERABAD-500 007.

*B. G. ...*

*Alaka*

*...* *...* *...* *...*

### M.Sc Botany Marks distribution

#### Semester I

Paper	Title	Theory/ Practical Week	Credits	Max Marks Theory & Practicals
I.	Phycology & Mycology Theory & Practicals	4 Hrs 4 Hrs	4 2	80 External + 20 Internal = 100 PR: 50
II.	Bryophyta & Pteridophyta Theory & Practicals	4 Hrs 4 Hrs	4 2	80 External + 20 Internal = 100 PR:50
III.	Taxonomy & Medicinal Botany Theory & Practicals	4 Hrs 4 Hrs	4 2	80 External + 20 Internal = 100 PR: 50
IV.	Plant Biochemistry Theory & Practicals	4 Hrs 4 Hrs	4 2	80 External + 20 Internal = 100 PR: 50
V.	Seminar	2 Hrs	1	25 M
	<b>TOTAL</b>		<b>25</b>	<b>Total- 625</b>

#### Semester II

Paper	Title	Theory/ Practical Week	Credits	Max Marks Theory & Practicals
I.	Applied Phycology & Mycology Theory & Practical	4 Hrs 4 Hrs	4 2	80 External + 20 Internal = 100 PR: 50
II.	Gymnosperms & Embryology Theory & Practical	4 Hrs 4 Hrs	4 2	80 External + 20 Internal = 100 PR: 50
III.	Plant anatomy & Palynology Theory & Practical	4 Hrs 4 Hrs	4 2	80 External + 20 Internal = 100 PR: 50
IV.	Plant Physiology Theory & Practical	4 Hrs 4 Hrs	4 2	80 External + 20 Internal = 100 PR: 50
V.	Seminars	2 Hrs	1	25 M
	<b>TOTAL</b>		<b>25</b>	<b>Total- 625</b>

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M.Sc Botany Marks distribution

Semester III

Paper	Title	Theory/ Practical Week	Credits	Max Marks Theory & Practicals
<b>Common Papers</b>				
I.	Cell Biology, Genetics & Statistics Theory & Practical	4 Hrs 4 Hrs	4 2	80 External + 20 Internal = 100 PR: 50
II.	Environmental Pollution & Protection Theory & Practical	4 Hrs 4 Hrs	4 2	80 External + 20 Internal = 100 PR: 50
<b>Specialization: A/B/C/D/E</b>				
Specialization -A: Applied Mycology and Molecular Plant Pathology				
Specialization B: Applied Plant Physiology and Molecular Biology				
Specialization C: Biodiversity of Angiosperms and Pharmacognosy of Medicinal Plants				
<b><u>Specialization D: Cytogenetics, Molecular Genetics and Biotechnology</u></b>				
Specialization E: Applied Palynology, Palaeophytology				
III.	Cytogenetics Theory & Practical	4 Hrs 4 Hrs	4 2	80 External + 20 Internal = 100 PR: 50
IV.	Genetics Theory & Practical	4 Hrs 4 Hrs	4 2	80 External + 20 Internal = 100 PR: 50
V.	IDE Course Seed technology	2 Hrs	2	50 M
VI.	<b>Total</b>		<b>26 Credits</b>	<b>Total = 650</b>

*S. Nazimuddin Khan*

Managing Director  
IOTA LABORATORIES  
D.No 11-3-744, Malleshpally  
Hyderabad-500 001.  
01-40-23342774

*B. Hussain Khan*

*Seyal*

*Hafeez*

M.Sc Botany Marks distribution

Semester IV

Paper	Title	Theory/ Practical Week	Credits	Max Marks Theory & Practicals
<b>Common Papers</b>				
I.	Ecology & Phytogeography Theory & Practical	4 Hrs 4 Hrs	4 2	80 External + 20 Internal = 100 PR: 50
II.	Horticulture & Plant Breeding Theory & Practical	4 Hrs 4 Hrs	4 2	80 External + 20 Internal = 100 PR: 50
<b>Specialization: A/B/C/D/E</b>				
Specialization -A: Applied Mycology and Molecular Plant Pathology Specialization B: Applied Plant Physiology and Molecular Biology Specialization C: Biodiversity of Angiosperms and Pharmacognosy of Medicinal Plants <b><u>Specialization D: Cytogenetics, Molecular Genetics and Biotechnology</u></b> Specialization E: Applied Palynology, Palaeophytology				
III.	Molecular Genetics & Recombinant DNA Technology Theory & Practical	4 Hrs 4 Hrs	4 2	80 External + 20 Internal = 100 PR: 50
IV.	Project Work		6	100+50= 150 Presentation & Viva
V.	IDE: Polyhouse technology	2 Hrs	2	50M
VI.	<b>Total</b>		<b>26 Credits</b>	<b>Total = 650</b>

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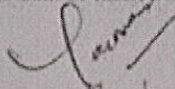
### PROGRAMME STRUCTURE

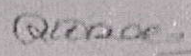
Sl.No	Course Code	Course Title	Sem Exam	IA	Total	HPW	Credits
1	ELS-I	English -I	80	20	100	4Hrs	4
2	SLS-I	Second Language -I	80	20	100	4Hrs	4
3	DSC 101	Principles of Management	80	20	100	5Hrs	5
4	DSC 102	Basics of Marketing	80	20	100	5Hrs	5
5	DSC 103	Business Economics	80	20	100	5Hrs	5
6	AECC -	Environmental Studies	50	-	50	2Hrs	2
		<b>Total</b>				<b>25Hrs</b>	<b>25</b>
7	ELS-II	English -II	80	20	100	4Hrs	4
8	SLS-II	Second Language -II	80	20	100	4Hrs	4
9	DSC 201	Organizational Behaviour	80	20	100	5Hrs	5
10	DSC 202	Business Statistics	80	20	100	5Hrs	5
11	DSC 203	Financial Accounting	80	20	100	5Hrs	5
12	AECC-2	Basic Computer Skills	50	-	50	2Hrs	2
		<b>Total</b>				<b>25Hrs</b>	<b>25</b>
13	ELS-III	English-III	80	20	100	3Hrs	3
14	SLS-III	Second Language -III	80	20	100	3Hrs	3
15	DSC 301	Human Resource Management	80	20	100	5Hrs	5
16	DSC 302	Information Technology For Business	60	20	80	4Hrs	4
17	DSC 302	Information Technology For Business PR	20	-	20	2Hrs	1
18	DSC 303	Financial Management	80	20	100	5Hrs	5
19	SEC-1	a)Communication Skills OR b)Professional Skills	50	-	50	2Hrs	2
20	SEC-2	a) Business Policy and Strategy OR b)Advanced Computer Skills	50	-	50	2Hrs	2
		<b>Total</b>				<b>25Hrs</b>	<b>25</b>
21	ELS-IV	English-IV	80	20	100	3Hrs	3
22	SLS-IV	Second Language -IV	80	20	100	3Hrs	3
23	DSC 401	Business Law and Ethics	80	20	100	5Hrs	5
24	DSC 402	Market Research	80	20	100	5Hrs	5
25	DSC 403	Management Science	80	20	100	5Hrs	5
26	SEC-3	a)Leadership and Management Skills OR b)Universal Human Values	50	-	50	2Hrs	2
27	SEC-4	a)Start Up Opportunity and Feasibility OR b) Basic Quality Management	50	-	50	2Hrs	2
		<b>Total</b>				<b>25Hrs</b>	<b>25</b>

Notation : CC - Core Courses- ELS: English Language Skill; SLS: Second Language Skill; SEC: Skill Enhancement Course; DSC: Discipline Specific Course; DSE: Discipline Specific Elective; GE: Generic Elective; T: Theory;

P: Practical; I: Internal Exam

Note: A student must choose one subject each from SEC 1, SEC 2, SEC 3 and SEC 4 respectively. Syllabus for Skill Enhancement Courses specified by UGC shall be taken from Jeevan Kaushal.

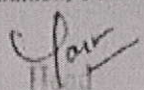
  
Head  
Department of Business Administration - 6  
Anwarul Uloom College  
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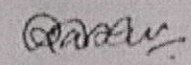
  
Prof. R. NAGESWAR RAO  
MBA, Ph.D.  
Dept. of Business Management  
Osmania University, Hyderabad-57



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

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

  
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BBM (CBCS)  
(w.e.f. 2022-2023)

## STRUCTURE OF B.B.M DEGREE PROGRAMME w.e.f. ACADEMIC YEAR 2022 onwards

FIRST YEAR:								
SEMESTER-I:								
Sl.No	Paper Code	Course Title	Course Code	Sem Exam	IA	Total	HPW	Credits
1	ELS-I	English -I	ELS-1	80	20	100	4Hrs	4
2	SLS-I	Second Language -I	SLS-1	80	20	100	4Hrs	4
3	BBM101	Principles of Management	DSC-1	80	20	100	5Hrs	5
4	BBM102	Financial Accounting	DSC-2	80	20	100	5Hrs	5
5	BBM103	Business Economics	DSC-3	80	20	100	5Hrs	5
6	AECC I	Environmental Studies	AECC-1	50	-	50	2Hrs	2
		Total					25Hrs	25
SEMESTER - II								
7	ELS-II	English -II	ELS-II	80	20	100	4Hrs	4
8	SLS-II	Second Language -II	SLS-II	80	20	100	4Hrs	4
9	BBM 201	Fundamentals of Marketing	DSC-4	80	20	100	5Hrs	5
10	BBM 202	Business Statistics	DSC-5	80	20	100	5Hrs	5
11	BBM 203	Business Correspondence and Communication	DSC-6	80	20	100	5Hrs	5
12	AECC II	Basic Computer Skills	AECC-II	50	-	50	2Hrs	2
		Total					25Hrs	25
SEMESTER - III								
13	ELS-III	English-III	ELS-III	80	20	100	3Hrs	3
14	SLS-III	Second Language -III	SLS-III	80	20	100	3Hrs	3
15	BBM 301	Human Resource Management	DSC-7	80	20	100	5Hrs	5
16	BBM 302	Information Technology For Business	DSC-8	60	20	80	4Hrs	4
17	BBM 302 PR	Information Technology For Business PR	DSC-8PR	20PR	-	20	2 Hrs	1
18	BBM 303	Accounting for Management	DSC-9	80	20	100	5Hrs	5
19	SEC-1	a) Communication Skills (OR) b) Professional Skills	SEC-1	50	-	50	2Hrs	2
20	SEC-2	a) Business Policy and Strategy (OR) b) Advanced Computer Skills	SEC-2	50	-	50	2Hrs	2
		Total					26Hrs	25
SEMESTER - IV								
21	ELS-IV	English-IV	ELS-IV	80	20	100	3Hrs	3
22	SLS-IV	Second Language -IV	SLS-IV	80	20	100	3Hrs	3
23	BBM401	Business Law and Ethics	DSC-10	80	20	100	5Hrs	5
24	BBM 402	Digital Marketing	DSC-11	80	20	100	5Hrs	5
25	BBM403	Financial Management	DSC-12	80	20	100	5Hrs	5
26	SEC-3	a) Leadership and Management Skills (OR) b) Universal Human Values	SEC-3	50	-	50	2Hrs	2
27	SEC-4	a) Start-up Opportunity and Feasibility (OR) b) Basic Quality Management	SEC-4	50	-	50	2Hrs	2
		Total					25	25

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PROGRAMME STRUCTURE

SEMESTER - I

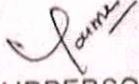
S.No	Course Code	Course Title	Sem Exam	IA	Total	HPW	Credits
1	ELS-I	English -I	80	20	100	4Hrs	4
2	SL-I	Second Language -I	80	20	100	4Hrs	4
3	BBA 101	Principles of Management	80	20	100	5Hrs	5
4	BBA 102	Basics of Marketing	80	20	100	5Hrs	5
5	BBA 103	Business Economics	80	20	100	5Hrs	5
6	AECC-1	Environmental Studies	50	-	50	2Hrs	2
		<b>Total</b>				<b>25Hrs</b>	<b>25</b>

SEMESTER - II

S.No	Course Code	Course Title	Sem Exam	IA	Total	HPW	Credits
7	ELS-II	English -II	80	20	100	4Hrs	4
8	SL-II	Second Language -II	80	20	100	4Hrs	4
9	BBA 201	Business Statistics	80	20	100	5Hrs	5
10	BBA 202	Financial Accounting	80	20	100	5Hrs	5
11	BBA 203	IT for Business	60	20	80	4Hrs	4
12	BBA 203PR	IT for Business PR	20	-	20	2Hrs	1
13	AECC-2	Basic Computer Skills	50	-	50	2Hrs	2
		<b>Total</b>				<b>26Hrs</b>	<b>25</b>



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CHAIRPERSON  
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New Malleshpally, Hyderabad-T.S. India.



**B.COM (General)  
CBCS COURSE MASTER STRUCTURE  
w.e.f. (2021-2024) Batch**

SLNo	Code	Course Title	Sem Exam	IA	Total	THPW	Exam Hrs	Credits
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<b>FIRST YEAR: SEMESTER – I (2021-2022)- APPROVED Dt 26-6-2021</b>								
1.	ELS1	English (First Language)	80	20	100	4	3	4
2.	SLS1	Second Language (HUTA)	80	20	100	4	3	4
3.	AECC-1 *	Environmental Science	50	-	50	2	2	2
4.	DSC101	Financial Accounting-I	80	20	100	5	3	5
5.	DSC102	Business Organization and Management	80	20	100	5	3	5
6.	DSC103	Foreign Trade	80	20	100	5	3	5
		Commerce Papers only *(CP) 350 Marks						
		<b>( CP. 350 + ELS &amp; SLS- 200 ) Total</b>			<b>550</b>	<b>25</b>		<b>25</b>
<b>SEMESTER – II</b>								
7.	ELS2	English (First Language)	80	20	100	4	3	4
8.	SLS2	Second Language (HUTA)	80	20	100	4	3	4
9.	AECC-2 *	Basic Computer Skills	50	-	50	2	2	2
10.	DSC201	Financial Accounting-II	80	20	100	5	3	5
11.	DSC202	Business Laws	80	20	100	5	3	5
12.	DSC203	Banking and Financial Services	80	20	100	5	3	5
		Commerce Papers only *(CP) *350 Marks						
		<b>( CP. 350 + ELS &amp; SLS ) Total</b>			<b>550</b>	<b>25</b>		<b>25</b>

**\*\*STUDENTS ARE REQUESTED TO FILL AND SUBMIT THEIR EXAMINATION FORM(S) WITH THE ABOVE SUBJECT TITLES FOR FIRST AND SECOND SEMESTERS RESPECTIVELY.**

**Master Structure of Third and Fourth Semester's - continued on the next page**

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**Dean**  
Faculty of Commerce  
Annamalai University,  
Chennai - 500 007

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HYDERABAD-50001, T.S.

.Com. (CBCS)  
w.e.f. 2021-24) Batch

Faculty of Commerce, AUC

Master Structure of III & IV SEMESTER'S  
continued from the previous page

B.COM (General) CBCS COURSE MASTER STRUCTURE w.e.f. (2021-2024) Batch								
Sl.No	Code	Course Title	Sem Exam	IA	Total	THPW	Exam Hrs	Credits
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<b>SECOND YEAR: SEMESTER – III- (2022-2023) – APPROVED dt ...</b>								
13.	ELS3	English (First Language)	80	20	100	3	3	3
14.	SLS3	Second Language (HUTA)	80	20	100	3	3	3
15.	SEC-1(UGC Specified Course) *	Communication Skills	50	-	50	2	2	2
16.	SEC-2 (Dept Specific Course) **	Principles of Insurance	50	-	50	2	2	2
17.	DC301	Advanced Accounting	80	20	100	5	3	5
18.	DSC302	Business Statistics-I	80	20	100	5	3	5
19.	DSC303	Financial Institutions and Markets	80	20	100	5	3	5
		Commerce Papers only *(CP) 400 Marks						
		( CP. 400 + ELS & SLS 200 ) Total			600	25		25
<b>SEMESTER – IV</b>								
20.	ELS4	English (First Language)	80	20	100	3	3	3
21.	SLS4	Second Language (HUTA)	80	20	100	3	3	3
22.	SEC-3(UGC Specified Course) *	Leadership & Management Skills	50	-	50	2	2	2
23.	SEC-4 (Dept Specific Course) **	Practice of Life and General Insurance	50	-	50	2	2	2
24.	DSC401	Income Tax	80	20	100	5	3	5
25.	DSC402	Business Statistics-II	80	20	100	5	3	5
26.	DSC403	Corporate Accounting	80	20	100	5	3	5
		Commerce Papers only *(CP) *400 Marks						
		( CP. 400 + ELS & SLS - 200 ) Total			600	25		25

\*\*\*\*\*STUDENTS ARE REQUESTED TO FILL AND SUBMIT THEIR EXAMINATION FORM(S) WITH THE ABOVE SUBJECT TITLES FOR THIRD AND FOURTH SEMESTERS RESPECTIVELY.

Master Structure of Fifth and Sixth Semester's - continued on the next page

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Annamalai University,  
Chennai - 500 007

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B.COM (General)  
CBCS COURSE MASTER STRUCTURE  
w.e.f. (2021-2024) Batch

Sl.No	Code	Course Title	Sem Exam	IA	Total	THPW	Exam Hrs	Credits
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<b>THIRD YEAR: SEMESTER V (2023-2024)</b>								
27.	EL55	English (First Language)	80	20	100	3	3	3
28.	SLS5	Second Language (HUTA)	80	20	100	3	3	3
29.	GE *	Business Economics	80	20	100	4	3	4
30.	DSE501	Cost Accounting	80	20	100	5	3	5
31.	DSE502	Computerized Accounting	50	50P*	100	3T+4P	3	5
32.	DSE503	Auditing	80	20	100	5	3	5
		Commerce Papers only *(CP) *400 Marks						
		(CP. 400 + ELS & SLS - 200 ) Total			600	25		25
<b>SEMESTER - VI</b>								
33.	EL56	English (First Language)	80	20	100	3	3	3
34.	SLS6	Second Language (HUTA)	80	20	100	3	3	3
35.	Project Report	Research Methodology and Project Report	40	60*R & V	100	2T+4R	2	4
36.	DSE601	Cost Control and Management Accounting	80	20	100	5	3	5
37.	DSE602	Theory and Practice of GST-	50	50P*	100	3T+4P	3	5
38.	DSE603	Accounting Standards	80	20	100	5	3	5
		Commerce Papers only *(CP) *400 Marks						
		(CP. 400 + ELS & SLS - 200 ) Total			600	25		25
		<b>GRAND TOTAL</b>			<b>3500</b>	<b>150</b>		<b>150</b>

1. \*\*\*\*\*STUDENTS ARE REQUESTED TO FILL AND SUBMIT THEIR EXAMINATION FORM(S) WITH THE ABOVE SUBJECT TITLES FOR FIFTH AND SIXTH SEMESTERS RESPECTIVELY.

*Chandra*  
Dean  
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*Chairperson*  
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B.COM (Comp Appl) CBCS COURSE MASTER STRUCTURE w.e.f. (2021-2024) Batch								
Sl.No	Code	Course Title	Sem Exam	1A	Total	THPW	Exam Hrs	Credits
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<b>FIRST YEAR: SEMESTER – I (2021-2022)- APPROVED Dt 26-6-2021</b>								
1.	ELS1	English (First Language)	80	20	100	4	3	4
2.	SLS1	Second Language (HUTA)	80	20	100	4	3	4
3.	AECC-1*	Environmental Science	50	-	50	2	2	2
4.	DSC101	Financial Accounting-I	80	20	100	5	3	5
5.	DSC102	Business Organization and Management	80	20	100	5	3	5
6.	DSC103	Fundamentals of Information Technology	50	50P	100	3T+4P	3	5
		Commerce Papers only *(CP) 350 Marks						
		<b>(CP. 350 + ELS &amp; SLS- 200) Total</b>			<b>550</b>	<b>25</b>		<b>25</b>
<b>SEMESTER – II</b>								
7.	ELS2	English (First Language)	80	20	100	4	3	4
8.	SLS2	Second Language (HUTA)	80	20	100	4	3	4
9.	AECC-2*	Basic Computer Skills	50	-	50	2	2	2
10.	DSC201	Financial Accounting-II	80	20	100	5	3	5
11.	DSC202	Business Laws	80	20	100	5	3	5
12.	DSC203	Programming with C & C++	50	50P	100	3T+4P	3	5
		Commerce Papers only *(CP) *350 Marks						
		<b>(CP. 350 + ELS &amp; SLS) Total</b>			<b>550</b>	<b>25</b>		<b>25</b>

- \*\*STUDENTS ARE REQUESTED TO FILL AND SUBMIT THEIR EXAMINATION FORM(S) WITH THE ABOVE SUBJECT TITLES FOR FIRST AND SECOND SEMESTERS RESPECTIVELY.
- Sl.No 6 & 12 has Practical Examination. Student should submit their regular Computer lab work record and during the practical examination the student should execute the program followed by VIVA shall take place  
The marks are as follows  
Record Work - 20 Marks  
Execution of the program - 20 Marks  
Viva- 10 Marks  
Total- 50 Marks

Master Structure of Third and Fourth Semester's - continued on the next page

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Com. (CBCS)  
w.e.f. 2021-24) Batch  
Master Structure of III & IV SEMESTER's  
continued from the previous page

Faculty of Commerce, AUC

B.COM (Comp Appl)  
CBCS COURSE MASTER STRUCTURE  
w.e.f. (2021-2024) Batch

Sl.No	Code	Course Title	Sem Exam	IA	Total	THPW	Exam Hrs	Credits
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<b>SECOND YEAR: SEMESTER – III- (2022-2023) – APPROVED dt ...</b>								
13.	ELS3	English (First Language)	80	20	100	3	3	3
14.	SLS3	Second Language (HUTA)	80	20	100	3	3	3
15.	SEC-1(UGC (Specified Course) *	Communication Skills	50	-	50	2	2	2
16.	SEC-2 (Dept Specified Course) **	Principles of Insurance	50	-	50	2	2	2
17.	DC301	Advanced Accounting	80	20	100	5	3	5
18.	DSC302	Business Statistics-I	80	20	100	5	3	5
19.	DSC303	Relational Database Management System	50	50P	100	3T+4P	3	5
		Commerce Papers only *(CP) 400 Marks						
		(CP. 400 + ELS & SLS 200) Total			600	25		25
<b>SEMESTER – IV</b>								
20.	ELS4	English (First Language)	80	20	100	3	3	3
21.	SLS4	Second Language (HUTA)	80	20	100	3	3	3
22.	SEC-3(UGC (Specified Course) *	Leadership & Management Skills	50	-	50	2	2	2
23.	SEC-4 (Dept Specified Course) **	Practice of Life and General Insurance	50	-	50	2	2	2
24.	DSC401	Income Tax	80	20	100	5	3	5
25.	DSC402	Business Statistics-II	80	20	100	5	3	5
26.	DSC403	Web Technologies	50	50P	100	3T+4P	3	5
		Commerce Papers only *(CP) *400 Marks						
		(CP. 400 + ELS & SLS - 200) Total			600	25		25

- \*\*\*\*\*STUDENTS ARE REQUESTED TO FILL AND SUBMIT THEIR EXAMINATION FORM(S) WITH THE ABOVE SUBJECT TITLES FOR THIRD AND FOURTH SEMESTERS RESPECTIVELY
- Sl.No 19 & 26 has Practical Examination. Student should submit their regular Computer lab work record and during the practical examination the student should execute the program followed by VIVA shall take place. The marks are as follows  
Record Work - 20 Marks  
Execution of the program - 20 Marks  
Viva- 10 Marks  
Total- 50 Marks

Master Structure of Fifth and Sixth Semester's - continued on the next page

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B.Com. (CBCS)  
w.e.f. 2021-24)Batch

Faculty of Commerce, AUC

SEMESTER - V						
27.	ELS5	English (First Language)	3	3		
28.	SLS5	Second Language	3	3		
29.	GE	a) Business Economics/ b) Advanced Aspects of Income Tax	4	4	3 hrs	80U+20I
30.	DSE501	a) Cost Accounting/ b) Financial Planning & Performance/ c) International Financial Reporting-I	5	5	3 hrs	80U+20I
31.	DSE502	a) Computerized Accounting/ b) Financial Decision Making-I/ c) International Tax & Regulation	3T+4P/5	5	3 hrs	50T+35P + 15V 80U+20I
32.	DSE503	a) Auditing/ b) Advanced Corporate Accounting/ c) Financial Management	5	5	3 hrs	80U+20I
		<b>Total</b>	<b>27/25</b>	<b>25</b>		
SEMESTER - VI						
33.	ELS6	English (First Language)	3	3		
34.	SLS6	Second Language	3	3		
35.	PR	Research Methodology and Project Report	2T+4R	4	1 ½ hrs	40U+10I 35R+15V V
36.	DSE601	a) Cost Control and Management Accounting/ b) Financial control/ c) International Financial Reporting-II	5	5	3 hrs	80U+20I
37.	DSE602	a) Theory and Practice of GST/ b) Financial Decision Making-II / c) International Auditing	3T+4P/5	5	3 hrs	50T+35P + 15V 80U+20I
38.	DSE603	a) Accounting Standards/ b) Corporate Governance/ c) Investment Management	5	5	3 hrs	80U+20I
		<b>Total</b>	<b>29/27</b>	<b>25</b>		
		<b>GRAND TOTAL</b>	<b>156/152</b>	<b>150</b>		

*[Signature]*  
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B.COM (Foreign Trade) CBCS COURSE MASTER STRUCTURE w.e.f. (2021-2024) Batch								
Sl.No	Code	Course Title	Sem Exam	IA	Total	THPW	Exam Hrs	Credits
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<b>FIRST YEAR: SEMESTER – I (2021-2022)- APPROVED Dt 26-6-2021</b>								
1.	ELS1	English (First Language)	80	20	100	4	3	4
2.	SLS1	Second Language (HUTA)	80	20	100	4	3	4
3.	AECC-1	Environmental Science	50	-	50	2	2	2
4.	DSC101	Financial Accounting-I	80	20	100	5	3	5
5.	DSC102	Business Organization and Management	80	20	100	5	3	5
6.	DSC103	Introduction to International Business	80	20	100	5	3	5
		Commerce Papers only *(CP) 350 Marks						
		(CP. 350 + ELS & SLS- 200) Total			550	25		25
<b>SEMESTER – II</b>								
7.	ELS2	English (First Language)	80	20	100	4	3	4
8.	SLS2	Second Language (HUTA)	80	20	100	4	3	4
9.	AECC-2	Basic Computer Skills	50	-	50	2	2	2
10.	DSC201	Financial Accounting-II	80	20	100	5	3	5
11.	DSC202	Business Laws	80	20	100	5	3	5
12.	DSC203	Export Marketing	80	20	100	5	3	5
		Commerce Papers only *(CP) *350 Marks						
		(CP. 350 + ELS & SLS) Total			550	25		25
<p><b>**STUDENTS ARE REQUESTED TO FILL AND SUBMIT THEIR EXAMINATION FORM(S) WITH THE ABOVE SUBJECT TITLES FOR FIRST AND SECOND SEMESTERS RESPECTIVELY</b></p>								

Master Structure of Third and Fourth Semester's - continued on the next page

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*big fund*  
CHAIRPERSON  
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Master Structure of III & IV SEMESTER'S  
continued from the previous page

B.COM (Foreign Trade) CBCS COURSE MASTER STRUCTURE w.e.f. (2021-2024) Batch								
Sl.No	Code	Course Title	Sem Exam	IA	Total	THPW	Exam Hrs	Credits
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<b>SECOND YEAR: SEMESTER – III- (2022-2023) – APPROVED dt ...</b>								
13.	ELS3	English (First Language)	80	20	100	3	3	3
14.	SLS3	Second Language (HUTA)	80	20	100	3	3	3
15.	SEC-1 (UGC Specified Course)	Communication Skills	50	-	50	2	2	2
16.	SEC-2 (Dept Specified Course)	Principles of Insurance	50	-	50	2	2	2
17.	DC301	Advanced Accounting	80	20	100	5	3	5
18.	DSC302	Business Statistics-I	80	20	100	5	3	5
19.	DSC303	International Business Procedures & Documentation	80	20	100	5	3	5
		Commerce Papers only *(CP) 400 Marks						
		(CP, 400 + ELS & SLS 200) Total			600	25		25
<b>SEMESTER – IV</b>								
20.	ELS4	English (First Language)	80	20	100	3	3	3
21.	SLS4	Second Language (HUTA)	80	20	100	3	3	3
22.	SEC-3 (UGC Specified Course)	Leadership & Management Skills	50	-	50	2	2	2
23.	SEC-4 (Dept Specified Course)	Practice of Life and General Insurance	50	-	50	2	2	2
24.	DSC401	Income Tax	80	20	100	5	3	5
25.	DSC402	Business Statistics-II	80	20	100	5	3	5
26.	DSC403	Corporate Accounting	80	20	100	5	3	5
		Commerce Papers only *(CP) *400 Marks						
		(CP, 400 + ELS & SLS - 200) Total			600	25		25

\*\*\*\*\*STUDENTS ARE REQUESTED TO FILL AND SUBMIT THEIR EXAMINATION FORM(S) WITH THE ABOVE SUBJECT TITLES FOR THIRD AND FOURTH SEMESTERS RESPECTIVELY.

Master Structure of Fifth and Sixth Semester's - continued on the next page

*Deena*  
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*Vijay*  
CHAIRMAN  
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B.Com. (CBCS)  
(w.e.f. 2021-24) Batch

Faculty of Commerce, AUC

Master Structure of V & VI SEMESTER's continued from the previous page

B.COM (Foreign Trade) CBCS COURSE MASTER STRUCTURE w.e.f. (2021-2024) Batch								
SLNo	Code	Course Title	Sem Exam	IA	Total	THPW	Exam Hrs	Credits
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<b>THIRD YEAR: SEMESTER V (2023-2024)</b>								
27.	ELS5	English (First Language)	80	20	100	3	3	3
28.	SLS5	Second Language (HUTA)	80	20	100	3	3	3
29.	GE *	Business Economics	80	20	100	4	3	4
30.	DSE501	Cost Accounting	80	20	100	5	3	5
31.	DSE502	Computerized Accounting	50	50	100	3T+4P	3	5
32.	DSE503	Logistics Management	80	20	100	5	3	5
		Commerce Papers only *(CP) *400 Marks						
		(CP. 400 + ELS & SLS - 200) Total			600	25		25
<b>SEMESTER - VI</b>								
33.	ELS6	English (First Language)	80	20	100	3	3	3
34.	SLS6	Second Language (HUTA)	80	20	100	3	3	3
35.	Project Report*	Research Methodology and Project Report	40	60*R & V	100	2T+4R	2	4
36.	DSE601	Cost Control and Management Accounting	80	20	100	5	3	5
37.	DSE602	Theory and Practice of GST	50	50	100	3T+4P	3	5
38.	DSE603	Cross-Cultural Consumer and Industrial Buyer Behaviour	80	20	100	5	3	5
		Commerce Papers only *(CP) *400 Marks						
		(CP. 400 + ELS & SLS - 200) Total			600	25		25
		<b>GRAND TOTAL</b>			<b>3500</b>	<b>150</b>		<b>150</b>
<p>1. **STUDENTS ARE REQUESTED TO FILL AND SUBMIT THEIR EXAMINATION FORM(S) WITH THE ABOVE SUBJECT TITLES FOR FIFTH AND SIXTH SEMESTERS RESPECTIVELY.</p>								

*Alina*  
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*Vijay Kumar*  
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HYDERABAD-50011, T.S.



**B.COM (E-Commerce)  
CBCS COURSE MASTER STRUCTURE  
w.e.f. (2021-2024) Batch**

Sl.No	Code	Course Title	Sem Exam	IA	Total	THPW	Exam Hrs	Credits
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<b>FIRST YEAR: SEMESTER - I (2021-2022)- APPROVED Dt 26-6-2021</b>								
1.	ELS1	English (First Language)	80	20	100	4	3	4
2.	SLS1	Second Language (HUTA)	80	20	100	4	3	4
3.	AECC-1	Environmental Science	50	-	50	2	2	2
4.	DSC101	Financial Accounting-I	80	20	100	5	3	5
5.	DSC102	Business Organization and Management	80	20	100	5	3	5
6.	DSC103	Fundamentals of Information Technology	50	50	100	3T+4P	3	5
		Commerce Papers only *(CP) 350 Marks						
		(CP. 350 + ELS & SLS- 200) Total			550	25		25

**SEMESTER - II**

7.	ELS2	English (First Language)	80	20	100	4	3	4
8.	SLS2	Second Language (HUTA)	80	20	100	4	3	4
9.	AECC-2	Basic Computer Skills	50	-	50	2	2	2
10.	DSC201	Financial Accounting-II	80	20	100	5	3	5
11.	DSC202	Business Laws	80	20	100	5	3	5
12.	DSC203	Relational Database Management System	50	50	100	3T+4P	3	5
		Commerce Papers only *(CP) *350 Marks						
		(CP. 350 + ELS & SLS) Total			550	25		25

- \*\*STUDENTS ARE REQUESTED TO FILL AND SUBMIT THEIR EXAMINATION FORM(S) WITH THE ABOVE SUBJECT TITLES FOR FIRST AND SECOND SEMESTERS RESPECTIVELY.
- Sl.No 6 & 12 has Practical Examination. Student should submit their regular Computer lab work record and during the practical examination the student should execute the program followed by VIVA shall take place. The marks are as follows  

Record Work -	20 Marks
Execution of the program -	20 Marks
Viva-	10 Marks
<b>Total-</b>	<b>50 Marks</b>

Master Structure of Third and Fourth Semester's - continued on the next page

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Master Structure of III & IV SEMESTER's continued from the previous page

B.COM (E-Commerce) CBCS COURSE MASTER STRUCTURE w.e.f. (2021-2024) Batch								
Sl.No	Code	Course Title	Sem Exam	IA	Total	THPW	Exam Hrs	Credits
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<b>SECOND YEAR: SEMESTER – III- (2022-2023) – APPROVED dt ...</b>								
13.	ELS3	English (First Language)	80	20	100	3	3	3
14.	SLS3	Second Language (HUTA)	80	20	100	3	3	3
15.	SEC-1(VOC Specified Course) *	Communication Skills	50	-	50	2	2	2
16.	SEC-2 (Department Course) **	Principles of Insurance	50	-	50	2	2	2
17.	DC301	Advanced Accounting	80	20	100	5	3	5
18.	DSC302	Business Statistics-I	80	20	100	5	3	5
19.	DSC303	Programming with C	50	50	100	3T+4P	3	5
		Commerce Papers only *(CP) 400 Marks						
		(CP. 400 + ELS & SLS 200) Total			600	25		25
<b>SEMESTER – IV</b>								
20.	ELS4	English (First Language)	80	20	100	3	3	3
21.	SLS4	Second Language (HUTA)	80	20	100	3	3	3
22.	SEC-3(VOC Specified Course) *	Leadership & Management Skills	50	-	50	2	2	2
23.	SEC-4 (Dept Specified Course) **	Practice of Life and General Insurance	50	-	50	2	2	2
24.	DSC401	Income Tax	80	20	100	5	3	5
25.	DSC402	Business Statistics-II	80	20	100	5	3	5
26.	DSC403	Object Oriented Programming with C++	50	50	100	3T+4P	3	5
		Commerce Papers only *(CP) *400 Marks						
		(CP. 400 + ELS & SLS - 200) Total			600	25		25

- \*\*STUDENTS ARE REQUESTED TO FILL AND SUBMIT THEIR EXAMINATION FORM(S) WITH THE ABOVE SUBJECT TITLES FOR THIRD AND FOURTH SEMESTERS RESPECTIVELY.
- Sl.No 19 & 26 has Practical Examination. Student should submit their regular Computer lab work record and during the practical examination the student should execute the program followed by VIVA shall take place. The marks are as follows:  
Record Work - 20 Marks  
Execution of the program - 20 Marks  
Viva - 10 Marks  
Total - 50 Marks

Master Structure of Fifth and Sixth Semester's - continued on the next page

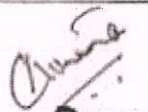
Dean  
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Hyderabad - 500 007

Vijay Kumar  
CHAIRMAN  
BOARD OF STUDIES IN COMMERCE  
ANVAR UL-ULUQAI COLLEGE  
HYDERABAD - 50001, T.S.

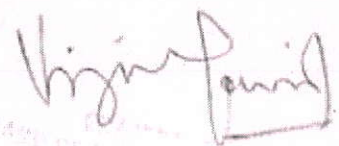


Master Structure of V& VI SEMESTER'S  
continued from the previous page

B.COM (E-Commerce) CBCS COURSE MASTER STRUCTURE w.e.f. (2021-2024) Batch								
SLNo	Code	Course Title	Sem Exam	IA	Total	THPW	Exam Hrs	Credits
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<b>THIRD YEAR: SEMESTER V (2023-2024)</b>								
27	ELS5	English (First Language)	80	20	100	3	3	3
28	SLS5	Second Language (HUT/A)	80	20	100	3	3	3
29	GE *	Business Economics	80	20	100	4	3	4
30	DSE501	Cost Accounting	80	20	100	5	3	5
31	DSE502	Computerized Accounting	50	50	100	3T+4P	3	5
32	DSE503	Fundamentals Of E-Commerce	50	50	100	3T+4P	3	5
		<b>Commerce Papers only *(CP) *400 Marks</b>						
		<b>(CP. 400 + ELS &amp; SLS - 200) Total</b>			<b>600</b>	<b>25</b>		<b>25</b>
<b>SEMESTER - VI</b>								
33	ELS6	English (First Language)	80	20	100	3	3	3
34	SLS6	Second Language (HUT/A)	80	20	100	3	3	3
35	Project Report *	Research Methodology and Project Report	40	60* R & V	100	2T+4R	2	4
36	DSE601	Cost Control and Management Accounting	80	20	100	5	3	5
37	DSE602	Theory and Practice of GST	50	50	100	3T+4P	3	5
38	DSE603	Business Data Analytics	50	50	100	3T+4P	3	5
		<b>Commerce Papers only *(CP) *400 Marks</b>						
		<b>(CP. 400 + ELS &amp; SLS - 200) Total</b>			<b>600</b>	<b>25</b>		<b>25</b>
		<b>GRAND TOTAL</b>			<b>3500</b>	<b>150</b>		<b>150</b>
<p>1. **STUDENTS ARE REQUESTED TO FILL AND SUBMIT THEIR EXAMINATION FORMS WITH THE ABOVE SUBJECT TITLES FOR FIFTH AND SIXTH SEMESTERS RESPECTIVELY.</p>								

  
**Dean**

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HYDERABAD-500017, T.S.



1.Com.(CBCS)  
w.e.f.2021-23) Batch

FACULTY OF COMMERCE, AUC

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
Total			27	23		75	25	425	525

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
Total			27	23		75	25	425	525

Dean  
Faculty of Commerce  
Annamacharya University,  
Hyderabad - 500 007

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HYDERABAD-50001, T.S.



M.Com.(CBCS)  
(w.e.f.2021-23) Batch

FACULTY OF COMMERCE, AUC

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>27</b>	<b>23</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	Business and Corporate Taxation	5	4	3 Hrs	15	5	80	100
18	Com:18 Core - III	Strategic Management	5	4	3 Hrs	15	5	80	100
19	Com:19 Elective - I:	Financial Services	5	5	3 Hrs	15	5	80	100
20	Com:20 Elective-II:	Financial Derivatives	5	5	3 Hrs	15	5	80	100
21	Com: 21	Project Work	8	4		-	-	50VV- 50D	100
	Seminar		2	1		-	-	25*	25
<b>Total</b>			<b>35</b>	<b>27</b>	<b>-</b>	<b>75</b>	<b>25</b>	<b>525</b>	<b>625</b>
<b>GRAND TOTAL</b>			<b>120</b>	<b>100</b>	<b>-</b>	<b>285</b>	<b>135</b>	<b>1730</b>	<b>2200</b>

\*25=15W+10PR  
Inter Disciplinary (ID) Paper in Third Semester is offered to the Non-Commerce PG Students. THPW= Teaching Hours Per Week; ESED=End-Semester Examination Duration; VV=Viva-Voce; LPE=Lab Practical Examinations; D=Dissertation; T=Theory; P=Practical; W=Write-up; PR=Presentation; DESE = Duration of End-Semester Examination.

Dean  
Faculty of Commerce  
University,  
Hyderabad - 500 007

*Vijay Kumar*  
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# Anwarul Uloom College (Autonomous)

Mallepally, Hyderabad  
to Osmania University

(Re-Accredited with NAAC with "A" - Grade)



**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		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
III		Paper-I (Theory)	6309	4 Hrs	4
		Paper-II (Practicals)	6309P	2 Hrs	1
		SECCI: Rules In Chemistry Laboratory	A6309	2 Hrs	1
IV		Paper-IV (Theory)	6409	4 Hrs	4
		Paper-IV (Practicals)	6409P	2 Hrs	1
		SECCIV: Preparation Of Lab Reagents	I6409	2 Hrs	1
V		Paper V(Theory)	6509	4 Hrs	4
		Paper - VA (Elective)	6509A	4 Hrs	4
		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

I	1 <sup>st</sup> AECC- I		2 Hrs	1
	Environmental Studies			
	Paper-II (Theory)	6209	4 Hrs	4
II	Paper-II (Practicals)	6209 P	2 Hrs	1
	AECC-II Basic Computer Skills		2 Hrs	2
	Paper-I (Theory)	6309	4 Hrs	4
III	Paper-II (Practicals)	6309P	2 Hrs	1
	SECC II: Rules In Chemistry Laboratory	A6309	2 Hrs	1
	Paper-IV (Theory)	6409	4 Hrs	4
IV	Paper-IV (Practicals)	6409P	2 Hrs	1
	SECC IV: Preparation Of Lab Reagents	I6409	2 Hrs	1
	Paper V (Theory)	6509	4 Hrs	4
V	Paper - VA (Elective)	6509A	4 Hrs	4
	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

VI	GE I: Soaps & Detergents			1
		G6509	2Hrs	
	Paper-VI (Theory)	6609	4 Hrs	4
	Paper - VIA (Elective)	6609A	4 Hrs	4
	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 <i>Advanced chemistry</i> <i>compd</i>	G6609	2Hrs	1





# Anwarul Uloom College (Autonomous)

New Mallepally, Hyderabad  
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## Department of Chemistry

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

#### Paper Titles & Marks Details

(2022-2023)

(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		116	Add On: Communicative English & Soft Skills	2 Hrs	—	50	—	50	2	2 Hrs
			<b>Total</b>	36 Hrs				675	27	
<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		116	Add On: Human values & Professional Ethics	2 Hrs	—	50	—	50	2	2 Hrs
			<b>Total</b>	36 Hrs				675	27	

Head of the Department





# Anwarul Uloom College (Autonomous)

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New Mallepally, Hyderabad



## Department of Comp. Sci. & Engineering Paper Titles & Marks Details (Course Structure & Scheme of Examinations) Batch - 2023-24

S. No.	Paper No.	Code No.	Title	Hours / Week	Intern al Marks	Semester Marks		Total Marks	Cred its	Duration of Exam.
						Max.	Min.			
<b>B. Sc. (CSE) I<sup>st</sup> Year, I – Semester (CBCS)</b>										
<b>Theory</b>										
1	I	0106	English	4 Hrs	20	80	32	100	4	3 Hrs
2	II	7141	Mathematics – I	5 Hrs	20	80	32	100	5	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>				29 Hrs				700	26	
<b>B. Sc. (CSE) I<sup>st</sup> Year, II – Semester (CBCS)</b>										
<b>Theory</b>										
1	I	0206	English	4 Hrs	20	80	32	100	4	3 Hrs
2	II	7246	Mathematics – II	5 Hrs	20	80	32	100	5	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	50	1	2 Hrs
8	VIII	7248P	E D C Lab	2 Hrs	–	50	20	50	1	2 Hrs
9	IX	7249P	Unix Prog. Lab	2 Hrs	–	50	20	50	1	2 Hrs
<b>Total</b>				29 Hrs				700	26	

AECC – Ability Enhancement Compulsory Course

Head of the Department





# Anwarul Uloom College (Autonomous)

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



## Department of Comp. Sci. & Engineering

### Paper Titles & Marks Details

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

#### Batch - 2022-23

S. No.	Paper No.	Code No.	Title	Hours / Week	Intern al Marks	Semester Marks		Total Marks	Cred its	Duratio n of Exam.
						Max.	Min.			
<b>B. Sc. (CSE) 2<sup>nd</sup> Year, III – Semester (CBCS)</b>										
<b>Theory</b>										
1	I	0306	English	3 Hrs	20	80	32	100	3	3 Hrs
2	II	7351	Mathematics – III	5 Hrs	20	80	32	100	5	3 Hrs
3	III	7352	Digital Logical Design	4 Hrs	20	80	32	100	4	3 Hrs
4	IV	7353	Operating Systems	4 Hrs	20	80	32	100	4	3 Hrs
5	V	7354	OOPS through C++	4 Hrs	20	80	32	100	4	3 Hrs
6	VI	S7355	SECC-I Communication Skills OR Professional Skill	2 Hrs	—	50	20	50	2	3 Hrs
7	VII	S7356	SECC-II: Software Engineering -I	2 Hrs	—	50	20	50	2	3 Hrs
<b>Practicals</b>										
8	VIII	7352P	D L D Lab	2 Hrs	—	50	20	50	1	2 Hrs
9	IX	7353P	O S Lab.	2 Hrs	—	50	20	50	1	2 Hrs
10	X	7354P	OOP through c++ Lab	2 Hrs	—	50	20	50	1	2 Hrs
<b>Total</b>				29 Hrs				750	27	
<b>B. Sc. (CSE) 2<sup>nd</sup> Year, IV – Semester (CBCS)</b>										
1	I	0406	English	4Hrs	20	80	32	100	3	3 Hrs
2	II	7456	Probability & Statistics	5 Hrs	20	80	32	100	5	3 Hrs
3	III	7457	Microprocessor 8086 & Interfacing	4 Hrs	20	80	32	100	4	3 Hrs
4	IV	7458	Data Structures	4 Hrs	20	80	32	100	4	3 Hrs
5	V	7459	Java Programming	4 Hrs	20	80	32	100	4	3 Hrs
6	VI	S7460	SECC-III-Leadership Management Skills OR Universal Human Value	2 Hrs	—	50	20	50	2	2 Hrs
7	VII	S7461	SECC-IV: Software Engineering -II	2Hrs	—	50	20	50	2	2Hrs
<b>Practicals</b>										
7	VII	7457P	M P 8086 & Interfacing Lab	2 Hrs	—	50	20	50	1	2 Hrs
8	VIII	7458P	Data Structure Lab.	2 Hrs	—	50	20	50	1	2 Hrs
9	IX	7459P	Java Programming Lab	2 Hrs	—	50	20	50	1	2 Hrs
<b>Total</b>				29 Hrs				750	27	

SECC – Skill Enhancement Compulsory Course

Head of the Department





# Anwarul Uloom College (Autonomous)

New Mallepally, Hyderabad  
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## Department of Comp. Sci. & Engineering Paper Titles & Marks Details (Course Structure & Scheme of Examinations) Batch - 2021-22

S. No.	Paper No.	Code No.	Title	Hours / Week	Intern al Marks	Semester Marks		Total Marks	Cred its	Duration of Exam.
						Max.	Min.			
<b>B. Sc. (CSE) 3<sup>rd</sup> Year, V - Semester (CBCS)</b>										
<b>Theory</b>										
1	I	0506	English							
2	II	7561	Computer Networks	3Hrs	20	80	32	100	3	2 Hrs
3	III	7562	Compiler Construction	4Hrs	20	80	32	100	4	3 Hrs
4	IV	7563	Object oriented analysis and design	4Hrs	20	80	32	100	4	3 Hrs
5	V	7564	Modern Data Base Management System	4Hrs	20	80	32	100	4	3 Hrs
<b>Practicals</b>										
6	VI	7561P	Computer Networks Lab	2 Hrs	—	50	25	50	2	2Hrs
7	VII	7563P	OOAD-Lab	2 Hrs	—	50	25	50	2	2Hrs
8	VIII	7564P	M D B M S Lab	2 Hrs	—	50	25	50	2	2Hrs
9	IX	E7565A	General Elective-1/ Optional : No SQL OR Big Data	4Hrs	—	50	20	50	2	2Hrs
		E7565B								
<b>Total</b>				29 Hrs				700	27	
<b>B. Sc. (CSE) 3<sup>rd</sup> Year, VI - Semester (CBCS)</b>										
1	I	0506	English							
2	II	7666	Internet of Things	3Hrs	20	80	32	100	3	2 Hrs
3	III	7667	Web Programming	4Hrs	20	80	32	100	4	3 Hrs
4	IV	7668	Introduction to Data science & Python Programming	4Hrs	20	80	32	100	4	3 Hrs
<b>Practicals</b>										
5	V	7667P	Web Programming Lab	2 Hrs	—	50	25	50	2	2Hrs
6	VI	7668P	Python Programming Lab	2 Hrs	—	50	25	50	2	2Hrs
7	VII	7670P	Project and Seminar	5Hrs	-	100	40	100	6	3 Hrs
8	VIII	E7566 A	General Elective-2/Optional : Machine Learning OR Data Engineering with Python	4Hrs	—	50	20	50	2	2Hrs
		E7566 B								
<b>Total</b>				29 Hrs				650	27	

GE-General Elective

Head of the Department



# ANWAR UL ULOOM COLLEGE

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## 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- 2022-23)	I	Paper - I (Theory) <b>Programming in C</b>	6110	4		20	80	100	4
		Paper - I (C-LAB)	6110P		3		50	50	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 Comp Skills)	A6210	2			50	50	2
B.Sc. Second Year (Batch- 2021 -22)	III	Paper -III (Theory) <b>Data Structures</b>	6310	4		20	80	100	4
		Paper -III (DS -LAB)	P6310		3		50	50	1
		SECC-I - CS (OR) PS	6310A1	2			50	50	2
		SECC-II - Python-I	6310A2	2			50	50	2
	IV	Paper -IV (Theory) <b>DBMS</b>	6410	4		20	80	100	4
		Paper -IV (DBMS- LAB)	6410P		3		50	50	1
		SECC-III- LMS (OR) (UHV)	A6410	2			50	50	2
		SECC-IV- Python-II	A6410	2			50	50	2
B.Sc. Third Year (Batch- 2020-21)	V	Paper -V (Theory) <b>Programming in JAVA</b>	6510	4		15	35	35	4
		Paper -V-(Practical)	6510P		3		25	25	1
		GE-II - INFO. TECH.-I	G6510	2			50	50	2
	VI	Paper -VI (Theory) <b>Web Technology</b>	6610	4		15	35	50	4
		Paper -VI (Practical)	6610P		3		25	25	1
		PROJECT/OPTIONAL PHP WITH MY SQL PHP (Practical)	P/O	3			15	35	3
		GE-II - INFO. TECH.-II	G6610	2			50	50	2

**Note: Student Project Details – Maximum 50 Marks Minimum 20Marks  
Credits – 04 Group size: Maximum 4 members group**

**CHAIRMAN, BOS  
COMPUTER SCIENCE  
ANWAR UL ULOOM COLLEGE**

**Head  
Department of Computer Science & Engineering  
Department of Engineering (A)**

*(Signature)*

UG (B.Sc.) Scheme of Examinations  
Computer Science  
(CBCS 2022-2023)

Elaborations

Paper	Credits	Theory Exam		Practical Exam
		University Exam	Internal Exam	
DSC	4+1	80 Marks	20 Marks	50 Marks
DSE	4+1	80 Marks	20 Marks	50 Marks
SEC	2	40 Marks	10 Marks	No Practical
GE	4	80 Marks	20 Marks	No Practical
AECC	2	40 Marks	10 Marks	No Practical
P/O	3+1	60 Marks	15 Marks	25 Practical

DSC – Discipline specific core course

DSE – Discipline specific elective course

SEC – Skill enhancement course

GE – Generic elective

AECC - Ability Enhancement Compulsory

P/O -Project/Optional

*Mahabub*

*SH*

**CHAIRMAN, BOS  
COMPUTER SCIENCE  
ANWARUL ULOOM COLLEGE**

*AA*






**DEPARTMENT OF ECONOMICS**

**B.A ( EPP )**

**(APPROVAL OF SYLLABUS FOR THE ACADEMIC YEAR 2022-2023)**

YEAR	SEM	PAPER	TITLE	UNITS	THPW	I A	ESE	TOTAL	CREDITS
1	I	I	Micro Economics	5	5	20	80	100	5
		AECC-I	Environmental Studies	2	2	---	50	50	2
	II	II	Macro Economics	5	5	20	80	100	5
		AECC-II	Basic Computer Skills	2	2	---	50	50	2
2	III	III	Statistics For Economics	5	5	20	80	100	5
		SEC-I	Communication skills Or Professional skills	---	2	---	50	50	2
		SEC-II	Money and Banking Or Environmental Economics	---	2	---	50	50	2
	IV	IV	Indian Economy	5	5	20	80	100	5
		SEC-III	Leadership and Mgmt. Or Universal Human Values	---	2	---	50	50	2
		SEC-IV	Industrial Economics Or Entrepreneurship and Development	---	2	---	50	50	2
3	V	V	Development Economics	5	5	15	35	50	5
		GE-I	Rural Development	4	2	---	50	50	4
	VI	VI	International Economics	5	5	15	35	50	5
		Project Or Additional subject	Financial Economics	4	2	---	50	50	2

THPW : Teaching Hour per Week, ESE : End Semester Exam, IA: Internal Assessment,  
SEM: Semester.

  
 Chairman  
 Board of Studies  
 Dept of Economics  
 Osmania University  
 Hyderabad-500 007



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 Mallepally, Hyderabad - 500 001.



**DEPARTMENT OF ELECTRONICS**

**COURSE DETAIL**

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

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

ANWARUL ULOOM COLLEGE, DEPARTMENT OF ELECTRONICS

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





**ANWARUL ULOOM COLLEGE**  
**DEPARTMENT OF ELECTRONICS**  
**COURSE DETAIL**

233

Course/Paper

Code No.

Teaching Hours Per week

No of Credits

Semester

IV

Paper -IV (Theory)

**Applications of Operational Amplifier and Communication**

**Paper-IV(AOP&C-LAB)**

**SECC-III**

**PIC & ATMEL Microcontroller**

**SECC-IV**

**Microprocessor & Microcontroller**

6412

4hrs

4

6412P

2hrs

1

A6512

2hrs

2

I6612

2hrs

2

V

Paper V(Elective)

**Digital Electronics(Theory)\*\*Elective -I**  
**Digital Electronics (Lab)**

6512

4hrs

4

6512P

2hrs

1

**Microprocessor8085(Theory)\*\*Elective-II**  
**Microprocessor8085 (Lab)**

6513

4hrs

4

6513P

2hrs

1

**SECC-III**

**Data Communications and Computer Network**

**GE-I**

**Information technology-I**

A6512

2hrs

2

G6513

2hrs

2

VI

Paper -VI(Elective)

**Fundamental of Embedded Systems (Theory)\*\*Elective-I (ES-LAB)**

**Microcontroller8051(Theory)\*\*Elective-II (MP 8051-LAB)**

6612

4hrs

4

6612P

2hrs

1

6613

4hrs

4

6613P

2hrs

1

**SECC-IV**

**Mobile Celluler communication**

**GE -II**

**Information technology -II**

I6612

2hrs

2

G6613

2hrs

2

3rd Year

ANWARUL ULOOM COLLEGE, DEPARTMENT OF ELECTRONICS

**CHAIRMAN**  
 Board of Studies In Electronics  
 Osmania University

*M. Schameer*  
 Head of the Dept. of Electronics,  
 Anwar-ul-uloom College, Malleshpally  
 Hyderabad.



# ANWARUL ULOOM COLLEGE (AUTONOMOUS)

(A 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. 2022-23)

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	4	20	80	100	3 Hrs.
SECC-I	Professional 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	4	20	80	100	3 Hrs.
SECC-III	Leadership Management	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.

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

*Dr. C. Muralikrishna*  
Chairman  
Board of Studies  
Department of English

**Dr. C. MURALIKRISHNA**  
PROFESSOR,  
DEPT. OF ENGLISH  
OSMANIA UNIVERSITY, HYD.-7.



# ANWARUL ULOOM COLLEGE (AUTONOMOUS)

A Minority Institution Affiliated to Osmania University, Hyderabad)  
Accredited by NAAC with 'A' Grade

## B.A (EHP) – ENGLISH LITERATURE (W.E.F. 2022-23)

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
II DSC	English Poetry,	5	5	5	20	80	100	3
AECC-II	Basic Computer Skills	2	2	2		50	50	2
III DSC	English Drama	5	5	5	20	80	100	3
SECC-I	Professional skills	2	2	2		50	50	2
SECC-II	Different Modes of Writing in English	2	2	2		50	50	2
IV	English Fiction	5	5	5	20	80	100	3
SECC-III	Leadership Management	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
GE	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

Capd. Dr. Kausar Begum Khan  
Head Department of English  
Anwar Uloom Degree College for Women  
Mehdoubpur, Hyderabad

Dr. C. MURALIKRISHNA  
PROFESSOR,  
DEPT. OF ENGLISH  
OSMANIA UNIVERSITY, HYD.-7.



# ANWARUL ULOOM COLLEGE (AUTONOMOUS)

(Affiliated to Osmania University, Hyderabad)

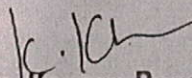
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## M.A Previous (2022-23) (CBCS) Semester I & II (Course Structure & Scheme of Examinations)

Paper No.	Code No.	Title	Hours /Week	Internal Marks	Semester Marks		Total Marks	Credits	Duration of Exam.
					Max	Min			
<b>M. A. English 1<sup>st</sup> Year, I - Semester (CBCS)</b>									
I	101	The English Language: History, Structure and Description	5Hrs	30	70	28	100	5	3 Hrs
II	102	English Poetry	5 Hrs	30	70	28	100	5	3 Hrs
III	103	American Literature - I	5 Hrs	30	70	28	100	5	3 Hrs
IV	104	Indian Writing in English - I	5 Hrs	30	70	28	100	5	3 Hrs
Total			25Hrs					20	
<b>M. A. English 1<sup>st</sup> Year, II - Semester (CBCS)</b>									
I	201	English Language Teaching: History, Approaches and Methods	5 Hrs	30	70	28	100	5	3 Hrs
II	202	English Drama	5 Hrs	30	70	28	100	5	3 Hrs
III	203	American Literature - II	5 Hrs	30	70	28	100	5	3 Hrs
IV	204	Indian Writing in English - II	5 Hrs	30	70	28	100	5	3 Hrs
V	116	Seminar I	1 Hrs	---	25	---	25	1	2 Hrs
Total			25Hrs					20	

Is: 2hours per week- No Credits

For each paper there will be semester examination for 70 marks and 30 marks for Internal Assessment (marks for tests (average of the two tests) and 10 marks for assignment in the subject).

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

  
**Dr. C. MURALIKRISHNA**  
 PROFESSOR,  
 DEPT. OF ENGLISH  
 OSMANIA UNIVERSITY, HYD-7.



# ANWARUL ULOOM COLLEGE (AUTONOMOUS)

(A Minority Institution Affiliated to Osmania University, Hyderabad)

Accredited by NAAC with 'A' Grade

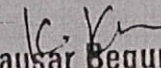
## M.A. Final (CBCS) Semester III & IV (Course Structure & Scheme of Examinations)

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	50	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 - II (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  
Head Department of English  
Anwar Uloom Degree College For Women  
Mallampally, Hyderabad 7



# 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 )

(2022 – 23)

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

( Approved Syllabus for the Academic Year 2022 – 23 )

S. No.	Year / Code No.	Sem.	Paper	Title	Units	THW	Credits	Inter Marks	Sem. Marks	Total Marks
1	1 <sup>st</sup> Year 1113	I	I	History of India (from earliest times to 700 CE)	5	5 Hrs	5	20	80	100
2			AECC – I	Environmental Studies	2	2 Hrs	2	–	50	50
3	1 <sup>st</sup> Year 1213	II	II	History of India (from 700 – 1526 CE)	5	5 Hrs	5	20	80	100
4			AECC – II	Basic Computer Skills	2	2 Hrs	2	–	50	50
5	2 <sup>nd</sup> Year 1313	III	III	History of India (from 1526 – 1857 CE)	5	5 Hrs	5	20	80	100
6			SECC – I	a) Communication Skills (or) b) Professional Skills	2	2 Hrs	2	–	50	50
7			SECC – II	Historical and Cultural Tourism	2	2 Hrs	2	–	50	50
8	2 <sup>nd</sup> Year 1413	IV	IV	History of India (from 1858 – 1964 CE)	5	5 Hrs	5	20	80	100
9			SECC – III	a) Leadership & Mgmt. Skills (or) b) Universal Human Values	2	2 Hrs	2	–	50	50
120			SECC – IV	Ancient Civilizations	2	2 Hrs	2	–	50	50
11	3 <sup>rd</sup> Year 1513	V	V	a) History of Modern World (1453 to 1964 CE) ( or ) b) Tourism & Culture	5	5 Hrs	5	15	35	50
12			GE – I	History of World Tourism	4	4 Hrs	4	–	50	50
13	3 <sup>rd</sup> Year 1513 A	VI	VI	a) Islamic History ( or ) b) History & Culture of Telangana	5	5 Hrs	5	15	35	50
14			GE – II	Indian National Movement (1857 – 1947 CE )	4	4 Hrs	4	–	50	50

*(Prepared)*  
Department of History  
Osmania University  
Hyderabad, Telangana State

*Khan*  
HEAD  
Department of History  
Anwarul Uloom College  
Osmania University

*Arna* *Khan*  
Department of History  
Anwarul Uloom P.G. Coll  
11-3-918, New Mallepally  
Hyderabad





**Anwarul Uloom College**  
 Autonomous & Accredited 'A' Grade by NAAC  
 Affiliated to Osmania University  
 New Mallepally, Hyderabad - 500001



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

Approved syllabus for the academic year: **2022-23**

S.NO	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

*Handwritten signature*  
**Head**  
 Department of Mathematics  
 Anwarul Uloom College  
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**Head**  
 Department of Mathematics  
 Osmania University  
 Hyderabad-500 007.





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2nd YEAR	III	6314 T	5	5	5	20	80	100
		Real Analysis						
2nd Year	III	SECC-I	2	2	2	-	50	50
		(A) Communication Skills (or) (B) Professional Skills						
2nd YEAR	IV	SECC-II	2	2	2	-	50	50
		(A) Introduction to Laplace Transform (or) (B) Commercial Mathematics						
2nd YEAR	IV	6414T	5	5	5	20	80	100
		Algebra						
2nd YEAR	IV	SECC-III	2	2	2	-	50	50
		(A) Leadership and Management Skills (or) (B) Universal Human Values						

*[Signature]*  
 Head  
 Department of Mathematics  
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			SECC-IV (A) Probability and Statistics  (or) (B) Basic Mathematics	2	2	2	-	50	50
	3 <sup>rd</sup> YEAR	V	Elective Paper 503T Linear Algebra  OR 503T Solid Geometry	5	5	5	15	35	50
			GE – I Basic Statistics	4	4	4	-	50	50
		VI	Elective Paper 603T Numerical Analysis  Or 603T Vector Calculus	5	5	5	15	35	50

*[Signature]*  
 Head  
 Department of Mathematics  
 Anwarul Uloom College  
 New Mallepally, Hyderabad.

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 Head  
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			GE-II Number System Or Optional Subject Coordinate Geometry	2	2	2	-	50	50
			Certificate Course of 3 Months – Quantitative Aptitude	-	-	-	-	50	50

*[Signature]*  
 Head  
 Department of Mathematics  
 Anwarul Uloom College  
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*[Signature]*  
 Head  
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 Osmania University  
 Hyderabad-500 007.





# Anwarul Uloom College

Autonomous & Accredited 'A' Grade by NAAC  
Affiliated to Osmania University  
New Malleshpally, Hyderabad – 500001



## DEPARTMENT OF MATHEMATICS

(Choice Based Credit System) (Academic year 2023 – 2024)

### M.Sc APPLIED MATHEMATICS

#### Semester I

Subjects	code	Paper	Hours / Week	Theor y	IA+Sem Exam	Credits
Core	AM 101	Abstract Algebra	4	4	20+80	4
Core	AM 102	Mathematical Analysis	4	4	20+80	4
Core	AM 103	Ordinary and Partial Differential Equations	4	4	20+80	4
Core	AM 104	Mechanics	4		20+80	4
Core	AM 105	Integral Transform	4	4	20+80	4
		Seminar	2	2	25	1
	Add-On	Communicative English & Soft Skills	2	2	50	2
	Total				575	23





# Anwarul Uloom College

Autonomous & Accredited 'A' Grade by NAAC

Affiliated to Osmania University

New Mallepally, Hyderabad – 500001



## DEPARTMENT OF MATHEMATICS

(Choice Based Credit System)

(Academic year 2023 – 2024)

### M.Sc APPLIED MATHEMATICS

#### Semester II

Subjects	code	Paper	Hours/ Week	Theory	IA+Sem. Exam	Credits
Core	AM 201	Galois Theory	4	4	20+80	4
Core	AM 202	Lebesgue . measure & Integration	4	4	20+80	4
Core	AM 203	Complex Analysis	4	4	20+80	4
Core	AM 204	Fluid Mechanics	4	4	20+80	4
Core	AM 205	Theory of Ordinary Differential Equations	4	4	20+80	4
		Seminar	2	1	25	1
	Add- On	Human Values & Professional Ethics	2	2	50	2
	Total				575	23

T\*- Tutorial Class for problem Solving with No Credit.





# Anwarul Uloom College

Autonomous & Accredited 'A' Grade by NAAC

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New Mallepally, Hyderabad – 500001



## DEPARTMENT OF MATHEMATICS

(Choice Based Credit System)

(Academic year 2023 – 2024)

### M.Sc APPLIED MATHEMATICS

#### Semester III

Subjects	code	Paper	Hours/ Week	Theory	T*	IA+Sem Exam	Credits
Core	AM 301	Finite difference Method	6	5	1	20+80	5
Core	AM 302	Viscous flows	6	5	1	20+80	5
Core	AM 303	Linear Algebra	6	5	1	20+80	5
Elective	AM 304(A)	Operations Research	6	5	1	20+80	5
	AM 304(B)	Compressible flows					
	AM 304(C)	Computational Fluid Dynamics					
Elective	AM 305(A)	Elementary Number Theory	5	4	1	20+80	4
	AM 305(B)	Numerical Analysis					
	AM 305(C)	Topology					
		Seminar	2	2		25	1
	IDE	Introduction to Differentiation	2	2		50	2
	<b>Total</b>		<b>31</b>			<b>575</b>	<b>27</b>





# Anwarul Uloom College

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New Mallepally, Hyderabad – 500001



## DEPARTMENT OF MATHEMATICS

(Choice Based Credit System) (Academic year 2023 – 2024)

### M.Sc APPLIED MATHEMATICS

Semester- IV

Subjects	code	Paper	Hours/Week	Theory	T*	IA+Sem Exam	Credits
Core	AM 401	Integral Equation & Calculus of variation	6	5	1	20+80	5
Core	AM 402	Finite Element Methods	6	5	1	20+80	5
Core	AM 403	Functional Analysis	6	5	1	20+80	5
Elective	AM 404(A)	Magnetohydrodynamics	6	5	1	20+80	5
	AM 404(B)	Bio-Mechanics					
	AM 404(C)	Differential Geometry					
Elective	AM 405(A)	Discrete Mathematics	5	4	1	20+80	4
	AM 405(B)	Advance Operations Research					
	AM 405(C)	Advance Complex Analysis					
		Seminar	2	2		25	1
	IDE	Integration	2	2		50	2
	<b>Total</b>		<b>31</b>			<b>575</b>	<b>27</b>

T\* - Tutorial Class for problem Solving with No Credit.



*need to add*

**AnwarulUloom 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 (2022 – 2023)**

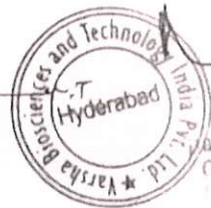
I-SEM	CORE SUBJECT	UNITS	HOURS	CREDITS	INTERNAL	EXTRNAL	TOTAL	DURATION
DSC	GENERAL MICROBIOLOGY – I	4	4	4	20	80	100	3 HRS
DSC	PRACTICAL	-	4	2	-	-	50	-
AECC - I	EVS	2	2	2	-	-	50	2 HRS

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	-	4	2	-	-	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

*Head*  
**Dr. A. MADHURI**  
 Head, Department of Microbiology  
 Government Degree College For Women  
 Begumpet, Hyderabad - 500016  
 Department of Microbiology  
 Anwarul Uloom College  
 (Autonomous)  
 Affiliated to Osmania University  
 New Mallepally, Hyderabad-01.T.S.



**HEAD**  
 Department of Microbiology  
 Anwarul Uloom College  
 (Autonomous)



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	HEAMATOLOGY	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	-

Head of The Department

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

*[Signature]*  
 HEAD  
 Department of Microbiology  
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*[Signature]*  
**Dr. A. MADHURI**  
 Head, Department of Microbiology  
 Government Degree College For Women  
 Begumpet, Hyderabad - 500016

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



*[Signature]*  
 Department of Microbiology  
 Anwarul Uloom College  
 (Autonomous)

*[Signature]*  
 Department of Microbiology  
 Anwarul Uloom College





# ANWARUL ULOOM COLLEGE (AUTONOMOUS)

(Accredited by NAAC with A+ Grade & an ISO 9001:2015 Certified Institution)

(Affiliated to Osmania University, Hyderabad)

## DEPARTMENT OF MICROBIOLOGY

### M.Sc. MICROBIOLOGY

### CHOICE BASED CREDIT SYSTEM (CBCS)

Schedule for Instruction and Examination

(Proposed Scheme for Academic year 2022 onwards)

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)	3	4	30	70	100
MB 102	Virology (Core)	3	4	30	70	100
MB 103	Research Methodology & Techniques (Core)	3	4	30	70	100
MB 104	Microbial Biochemistry (Core)	3	4	30	70	100
MB 105	Seminar	-	-	-	-	-
<b>PRACTICALS</b>						
MB 151	Paper I General Microbiology & Virology	4	8	--	100	100
MB 152	Paper II - Biochemistry & Research Methodology	4	8	--	100	100
<b>Total</b>		<b>20</b>	<b>32</b>	<b>120</b>	<b>480</b>	<b>600</b>

Department of Microbiology  
Anwarul Uloom College

Hameeda Bee  
Assistant Professor

Dr. B. Brindha, M.Sc., M.Phil., Ph.D.  
Professor

Department of Microbiology, U.C.S.P. Begumpet, Hyderabad - 500016  
Osmania University, Hyd-07.

Dr. A. MADHURI  
Head, Department of Microbiology

Government Degree College For Women

Department of Microbiology  
Osmania University, Hyd-07

Department of Microbiology  
Anwarul Uloom College (Autonomous)  
New Malleshpally, Hyderabad-T.S. India.





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)	3	4	30	70	100
MB 202	Immunology (Core)	3	4	30	70	100
MB 203	Industrial Microbiology (Core)	3	4	30	70	100
MB 204	Pharmaceutical Microbiology (Core)	3	4	30	70	100
MB 205	Seminar, Research paper presentation	-	2	-	-	-
<b>PRACTICALS</b>						
MB 251	Paper I Molecular Biology and Microbial Genetics & Immunology	4	8	--	100	100
MB 252	Paper II Industrial & Pharmaceutical Microbiology	4	8	--	100	100
<b>Total</b>		<b>20</b>	<b>34</b>	<b>120</b>	<b>480</b>	<b>600</b>

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**Dr. A. MADHURI**  
 Head, Department of Microbiology  
 Government Degree College For Women  
 Begumpet, Hyderabad - 500013

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 Head  
 Department of Microbiology  
 Anwarul Uloom College (Autonomous)  
 New Malleshpally, Hyderabad-T.S. India

*Handwritten signature*  
**Dr. Jameeda Bete**  
 Associate Professor  
 Department of Microbiology  
 Osmania University, Hyd-07

*Handwritten signature*  
**Dr. B. BHIMA, M.Sc., Ph.D.**  
 Professor  
 Department of Microbiology, U.C.S.  
 Osmania University, Hyd-07.



**Chairperson, BoS**  
 Department of Microbiology  
 Osmania University, Hyd-07

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 Department of Microbiology  
 Anwarul Uloom College

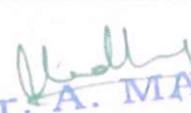
*Handwritten signature*  
 Department of Microbiology  
 Anwarul Uloom College

*Handwritten signature*  
 Department of Microbiology  
 Anwarul Uloom College  
 (Autonomous)



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	III-A. Industrial Microbiology (or) III-B. Microbial Proteomics	4	4	20	80	100
MB 304	IV-A. Microbial Ecology & Plant Microbe Interactions (or) IV-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	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>

Department of Microbiology  
 Anwarul Uloom College  
 (Autonomous)  
 Dr. Ameeda Bee  
 Head, Department of Microbiology  
 Anwarul Uloom College

  
**DR. A. MADHURI**  
 Head, Department of Microbiology  
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 Begumpet, Hyderabad - 50010  
 Dr. B. Brilika, M.Sc., Ph.D.  
 Professor  
 Department of Microbiology, U.C.S.  
 Osmania University, Hyd-07.

Department of Microbiology  
 Osmania University, Hyd-07

Department of Microbiology  
 Anwarul Uloom College  
 (Autonomous)  
 Affiliated to Osmania University  
 Anwarul Uloom College (Autonomous)  
 Hyderabad-T.S. India.





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>

**CHAIRPERSON**  
**BOARD**  
 Department of Microbiology  
 Anwarul Uloom College  
 New Maliepally, Hyderabad-01.T.S.

*Shreed*  
 Chairperson, BoS  
 Department of Microbiology  
 University, Hyd-07

*Dr. B. BHIMA*  
 M.Sc., Ph.D.  
 Professor  
 Department of Microbiology, U.C.S,  
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*Dr. A. MADHURI*  
 Head, Department of Microbiology  
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 Begumpet, Hyderabad - 500015

Department of Microbiology  
 Anwarul Uloom College  
 (Autonomous)

Department of Microbiology  
 Anwarul Uloom College  
 (Autonomous)

Department of Microbiology  
 Anwarul Uloom College  
 (Autonomous)





**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 (2022-2023)**

SN.O.	YEAR	SEM.	PAPER/TITLE	Teaching hours/ week	Units	Credits	Marks		
							Internal Assessment	End Semester	Total
1	1st Year 22-23	I	Introduction to Foods & Nutrition	4	4	4	20	80	100
2			Introduction to Foods & Nutrition (Practical's)	2	-	1	-	50	50
3			Environmental Science (AECC-I)	2	-	2	-	50	50
4	1st Year 22-23	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	2nd Year 22-23	III	Normal Therapeutic Nutrition-Theory	4	4	4	20	80	100
8			Normal And Therapeutic Nutrition-Practical	2	-	1	-	50	50
			Communication skills(SECC-I) or	2	-	2	-	50	50
			Professional Skills(SECC-I)	"	"	"	-	"	"
9			Food Service Management (SECC-II) or	2	2	2	-	50	50
			Bakery Science (SECC-II)	"	"	"			
10	2nd Year 22-23	IV	Diet In Disease- Theory	4	4	4	20	80	100
11			Diet In Disease - Practical	2	-	1	-	50	50

*Sujatha*  
 SUJATHA STEPHEN P...  
 HOD NUTRITION DEPT...  
 YASHODA HOSPITAL...  
 Malakpet, Hyderabad.  
*Mh*

*Dr. M. S. Srinivasulu Reddy*  
 Department of Applied Nutrition  
 Sarojini Naidu Vanita Maha Vidyalaya  
 Dept. of Nutrition & Dietetics  
 ANWARUL-ULOOM COLLEGE  
 New Mallepally, Hyderabad.  
 Telangana-500 001.

*MI*

*Ashlesha*  
 D.P. ASHLESMA  
 HEAD  
 Dept. of Food and Nutrition  
 Univ... for Women  
 Kou... ped-095.



			Leadership & Mgmt.skills- (SECC-III) or	2	-	2	-	50	50
			Universal Human Values - (SECC-III)	"	"	"	"	"	"
12			Diet Counseling Skills (SECC-IV) or	2	-	2	-	50	50
			Strategies For Weight Management (SECC-IV)	"	-	"	-	"	"
13	3rd Year 22-23	V	A- CLINICAL DIETETICS (THEORY)	4	4	4	15	35	50
14			A CLINICAL DIETETICS (PRACTICAL) OR	2	-	1	-	25	25
17			B - DIET THERAPY (THEORY)	4	4	4	15	35	50
			B - DIET THERAPY (PRACTICAL)	2	-	2	-	25	25
18			501 NUTRITION, HEALTH AND FITNESS (THEORY) (GE- I)	-	4	4	-	50	50
19	3rd Year 22-23	VI	PUBLIC HEALTH NUTRITION (THEORY)	4	4	4	15	35	50
20			PUBLIC HEALTH NUTRITION (PRACTICAL)(O R)	2	-	1	-	25	25
23			B - COMMUNITY NUTRITION (THEORY)	4	4	4	15	35	50
			B - COMMUNITY NUTRITION (PRACTICAL)	2	-	1	-	25	25
25			Project (OY)	4	-	4	-	50	50
			internship (OY)			4		50	50
			Nutrition and Yoga for Health (Optional Paper)	4	-	4		50	50

S. J. Ashlesha  
 Head  
 Department of Applied Nutrition  
 Sarojini Naidu Vanita Maha Vidyalaya  
 Yashoda Hospital  
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H. N. N. N.  
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 Dr. P. Ashlesha  
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 Yashoda Hospital  
 Malakpet, Hyderabad - 500026  
 M.A.



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

COURSE OUTLINE AND SCHEME OF EXAMINATION

FIRST SEMESTER

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

SECOND SEMESTER

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

SUBHASH CHANDRAN R.D.  
HEAD, NUTRITION DEPT.  
YASHODA HOSPITALS  
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B. BANIMA, M.Sc., Ph.D.  
Professor  
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Mania University, Hyd-07.

Head  
Department of Applied Nutrition  
Sarojini Naidu Vanita Maha Vidyalaya

Dr. P. ASHLESHA  
HEAD  
Dept. of Nutrition & Dietetics  
SARAJINI NAIDU VANITA MAHA VIDYALAYA  
New Madhapally, Hyderabad  
Telangana-500081



**THIRD SEMESTER**

Paper No.	Title	Instructi ons Hrs/ Week	Duration of Examination	Credits	Maximum Marks
<b>Theory</b>					
ND 301 T (CORE)	Community Nutrition	4	3	4	100 (80+20)
ND 302 T (CORE)	Food Microbiology	4	3	4	100 (80+20)
ND 303 T (ELECTIVE POOL)	i) Food Service Management	4	3	4	100 (80+20)
	ii) Institutional Food Management				
ND 304 T (Inter- disciplinary ELECTIVE)	Food Hygiene and sanitation	4	3	4	100 (80+20)
<b>Practical</b>					
ND 305 P	Community Nutrition	4	2	2	50
ND 306 P	Food Microbiology	4	2	2	50
ND 307 P	i) Food Service Management	4	2	2	50
	ii) Institutional Food Management				
ND 308 P	Food Hygiene and sanitation	4	2	2	50
	<b>Total</b>	<b>32</b>		<b>24</b>	<b>600( 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)

*SA* Ashlesha  
 Malakpet, Hyderabad 500036.

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*Saba* *Tabassum* *Ashlesha* *M. V. N.*

**Dr. P. ASHLESHA**  
 HEAD

**Dr. M. B. RAOHIKA**, Ph.D.  
 Assistant Professor & Head of the Department  
 Department of Nutrition & Dietetics  
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 Malakpet, Hyderabad - 500036  
 Phone: 0091-98493-50000

**BHIMA, M.Sc., Ph.D.**  
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**Head**  
 Department of Applied Nutrition  
 Sarojini Naidu Vanita Maha Vidyalaya



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

*Utkala*

*Ashlesha*

Dr. P. ASHLESHA  
HEAD

Head

Department of Applied Nutrition

Sarojini Naidu Vanita Maha Vidyalaya

Dept. of Nutrition and Nutrition  
Practitioner

Dr. B. BHIMA, M.Sc., Ph.D.

Professor

Department of Microbiology, U.C.S.,  
Osmania University, Hyd-07.

*[Signature]*

Dept. of Nutrition & Dietetics  
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New Mallepally, Hyderabad,  
Telangana-500 001.

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

*[Signature]*

डॉ. एम.एस. राधिका, पीएचडी  
Dr. M.S. RADHIKA, PhD

वैज्ञानिक (उपनिदेशक) व विभागाध्यक्ष  
Science & Head of the Department  
आहारविज्ञानविभाग, आइसीएमएन-एन,  
Department of Dietetics, ICMR National Institute  
of Food Safety and Food Standards  
Janta Osmania (FPO), Secunderabad

*Saba*

*Tabasum*



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 2022-23	Paper – I (Theory) Mechanics	6118	4 hours	4
	Mechanics - Lab AECC-I	6118P	2 hours	1
	Environmental Science		2 hours	2
II 2022-23	Paper – II (Theory) Thermal Physics	6218	4 hours	4
	Thermal Physics - Lab AECC-II	6218P	2 hours	1
	Basic Computer Skills		2 hours	2
III 2021-22	Paper – III (Theory) Electromagnetic Theory	6318	4 hours	4
	Electromagnetic Theory - Lab SECC-I	6318P	2 hours	1
	(a) Communication Skills (OR)		2 hours	2
	(b) Professional Skills SECC-II			
	(a) Solar Energy and its Collectors (OR)		2 hours	2
(b) Storage and Utilization of Solar Energy				
IV 2021-22	Paper – IV (Theory) Waves & Optics	6418	4 hours	4
	Optics - Lab SECC-III	6418P	2 hours	1
	(a) Leadership and Management Skills (OR)		2 hours	2
	(b) Universal Human Values (Ethics) SECC-IV			
	(a) Solar Energy (OR)		2 hours	2
(b) Chemical Energy				
V 2020-21	Paper – V (Elective) A: Modern Physics (Theory) ** Elective - I	6518A	4 hours	4
	A: Modern Physics (Lab) (OR)	6518AP	2 hours	1
	B: Computational Physics (Theory) ** Elective - II	6518B	4 hours	4
	B: Computational Physics (Lab) GE-I	6518BP	2 hours	1
	Mechanical Energy		4 hours	4
VI 2020-21	Paper – VI (Elective) A: Electronics (Theory) ** Elective - I	6618A	4 hours	4
	A: Electronics (Lab) (OR)	6618AP	2 hours	1
	B: Applied Optics ** Elective - II	6618B	4 hours	4
	B: Applied Optics (Lab) GE-II	6618BP	2 hours	1
	Geothermal Energy		4 hours	4

HEAD  
Department of Physics  
Nizam College, OU Hyd.





**ANWARUL ULOOM COLLEGE (AUTONOMOUS)**  
 (An Autonomous Muslim Minority Institution)  
 New Malleshpally, Hyderabad-500001 T.S, India  
 (Affiliated to Osmania University)  
**FACULTY OF SOCIAL SCIENCES**  
**DEPARTMENT OF POLITICAL SCIENCES**

**B.A (POLITICAL SCIENCE)**  
**PROGRAM STRUCTURE**

**APPROVED SYLLABUS FOR THE ACADEMIC YEAR (2022-23)**

S.NO	YEAR	SEM	PAPER	TITLE	THEORY	EXERCISES	TEACHING HOURS	CREDITS
1	1 <sup>ST</sup> YEAR	I	I DSC	UNDERSTANDING POLITICAL THEORY	20	80	5	5
2			AECC 1	ENVIRONMENTAL STUDIES		50	2	2
3	1 <sup>ST</sup> YEAR	II	II DSC	WESTERN POLITICAL THOUGHTS	20	80	5	5
4			AECC 2	BASIC COMPUTER SKILLS		50	2	2
5	2 <sup>ND</sup> YEAR	III	III DSC	INDIAN POLITICAL THOUGHT	20	80	5	5
6			SECC -I	A. COMMUNICATION SKILLS OR B. PROFESSIONAL SKILLS		50	2	2
			SECC -II	A. EMANCIPATION OF WOMEN OR B. CASTE SYSTEM IN INDIA		50	2	2

**CHAIRPERSON**  
**BOARD OF STUDIES**  
 Department of Political Science  
 Anwarul Uloom College (Autonomous)  
 New Malleshpally, Hyderabad-500001 T.S, India

50  
*[Signature]*  
 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**  
**DEPARTMENT OF POLITICAL SCIENCES**

7	2 <sup>ND</sup> YEA R	IV	IV DSC	<b>CONSTITUTION AND POLITICS OF INDIA</b>	2 0	8 0	5	5
8			SECC -III	<b>A. LEADERSHIP &amp; MGMT SKILLS OR B. UNIVERSAL HUMAN VALUES</b>			5 0	2 2
			SECC -IV	<b>A. INDIAN FREEDOM MOVT OR B. INDIAN CONSTITUTION</b>				
9	3 <sup>RD</sup> YEA R 2020- 21		V. DSC	INTERNATIONAL RELATIONS	1 5	3 5	5	5
10			GE - I	REFORM MOVEMENTS IN INDIA			4	4
11			VI DSC	GLOBAL POLITICS	1 5	3 5	5	5
12			GE - II	WOMEN STUDIES-AN INTRODUCTION			4	4

AECC = ABILITY ENHANCEMENT COMPULSORY COURSE

DSC = DISCIPLINE SPECIFIC COURSE.

GE: General elective & SECC III & SECC IV included.

*Sadik*

**CHAIRPERSON**  
**BOARD OF STUDIES**  
 Department of Political Science  
 Anwarul Uloom College (Autonomous)  
 New Mallepally, Hyderabad

*Yashwanth*  
 Assistant Professor  
 Department of Political Science  
 Osmania University, Hyderabad.



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

**PROGRAMME STRUCTURE**

- 2022-23

DEPARTMENT OF POLITICAL SCIENCES (CBCS)

B.A (PUBLIC ADMINISTRATION)

APPROVED SYLLABUS FOR THE ACADEMIC YEAR 2022-23

S.No	Year	Sem	Paper	Title	Internal Marks	Sem Marks	Teaching Hours	Credits
1	1 <sup>st</sup> Year	I	DSC I	Basics of Public Administration	20	80	5	5
2			AECC I	Environmental Studies		50	2	2
3	1 <sup>st</sup> Year	II	DSC II	Principles and Emerging Trends	20	80	5	5
4			AECC II	Basic Computer Skills		50	2	2
5	2 <sup>nd</sup> Year	III	DSC III	Indian Administration- Union Government	20	80	5	5
6			SECC I	A. Communication skills Or B. professional skills		50	2	2
			SECC II	Local governance or public relations		50	2	2
7	2 <sup>nd</sup> Year		DSC IV	State Administration	20	80	5	5
			SECC III	A. Leadership & management skills Or B. universal human values		50	2	2
8		IV	SECC IV	Trends in local Governance - Rural Government (or) Trends in Local Governance - Urban Government .		50	2	2

*Yiguo*  
**CHAIRPERSON**  
BOARD OF STUDIES  
Department of Public Administration  
Anwarul Uloom College (Autonomous)  
New Mallepally, Hyderabad-500 001. T.S. India.

*Prof*  
**PROFESSOR**  
Dept. of Public Administration  
Univ. College of Arts & Social Science  
Osmania University, Hyd-7. (TS)





## ANWARUL ULOOM COLLEGE (AUTONOMOUS)

(An Autonomous Muslim Minority Institution)

New Mallepally, Hyderabad-500001 T.S, India

			Governance					
9		<u>V</u>	DSC V	Human Resource Management	15	35	5	5
11			GE I	Social Reforms Movement in India	15	35	4	4
12		<u>VI</u>	DSC VI	Financial Management and Material Management	15	35	5	5
14			GE II	Telangana Movement	15	35	4	4

AECC: Ability Enhancement Compulsory Course

DSC: Discipline Specific Course.

GE: General Elective & Sec III & Sec IV Included.

Yigab  
CHAIRPERSON  
BOARD OF STUDIES  
Department of Public Administration  
Anwarul Uloom College (Autonomous)  
New Mallepally, Hyderabad-500 001. T.S. India.

Blot  
PROFESSOR  
Dept. of Public Administration  
Univ. College of Arts & Social Science  
Osmania University, Hyd-7. (TS)





## 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 (2022 - 2023)

S. No.	Year	Sem.	Paper / Title	Teaching Hours / Week	Units	Credits	Marks		
							Internal Assessment	End Semester	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 and Animal Behaviour - Theory	4	4	4	20	80	100
5			Ecology, Zoogeography and Animal Behaviour - Practicals	2	-	1	-	-	50
6			Basic computer skills (AECC-II)	2	2	2	-	-	50



7	2 <sup>nd</sup> Year	III	Animal Physiology (Theory)	4	4	4	20	80	100
8			Animal Physiology Practicals	2	—	1	—	—	50
9			(SECC - I)	2	2	2	—	50	50
			a) Communication Skills OR b) Professional Skills						
	(SECC - II)	2	2	2	—	50	50		
		a) Vectors OR b) Vermiculture							
10	2 <sup>nd</sup> Year	IV	Cell Biology, Genetics & Evolution - Theory	4	4	4	20	80	100
11			Cell Biology, Genetics & Evolution - Practical	2	—	1	—	—	50
12			(SECC - III)	2	2	2	—	50	50
	a) Leadership and Management Skills OR b) Universal Human Values								
	(SECC - IV)	a) Apiculture OR b) Biodiversity Conservation and Eco-tourism							



13	3rd Year	V	a) Zoology V (Biochemistry and Endocrinology)- Theory OR	4	4	4	15	35	50
14			a) Zoology V ((Biochemistry and Endocrinology) - Practicals OR	2	-	1	-	25	25
15			b) Zoology V - Laboratory Animals Maintenance and Applications - Theory	4	4	4	15	35	50
16			b) Zoology V - - Laboratory Animals Maintenance and Applications - Practicals	2	-	1	-	25	25
17			Apiculture - (GE - I)	2	2	2	-	50	50
18			Preventive Medicine - (GE - II)	2	2	2	-	50	50
19	3rd Year	VI	a) Zoology VI (Fisheries & Limnology) - Theory OR	4	4	4	15	35	50
20			a) Zoology VI (Fisheries & Limnology) - Practicals	2	-	1	-	25	25
21			b) Zoology VI (Immunology & Biotechnology) - Theory	4	4	4	15	35	50
22			b) Zoology VI (Immunology & Biotechnology) - Practicals	2	-	1	-	25	25
23			Project OR	4	4	4	-	50	50
24			Advanced Chemistry	4	4	4	-	50	50

AECC - Ability Enhancement Compulsory Course

SECC - Skill Enhancement Compulsory Course

GE - Generic Elective

Head of the Department  
HEAD  
Department of Zoology  
Anwar-ul-Uloom College (Autonomous)  
Mallepally, Hyderabad-500 001, T.S.

PROFESSOR & HEAD  
Department of Zoology, UCS,  
Osmania University, Hyd-07.



(Autonomous)  
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New Mallepally, Hyderabad – 500 001, T.S. India  
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## FACULTY OF ARTS

Degree I II III year Second Language Hindi  
Semesters – I, II, III, IV, V, VI,  
(2022 – 2023)  
Course Structure

Choice Based Credit System Pattern

Approved Syllabus for the Academic Year 2022 – 2023

Sem	Subject	Code	TPW	Units	Credits	Int.	Ext	Total
I	Gadya Darpan I to VI lessons, Katha Sindhu I to V stories	0104	4	4	4	20	80	100
II	Gadya Darpan VII to XII lessons, Katha Sindhu VI to X stories	0204	4	4	4	20	80	100
III	Kavya Nidhi poem 1&4,5,6,7,8 History of Hindi Literature(I&II) Kaal	0304	3	3	3	20	80	100
IV	Kavya Nidhi poem 9,10,11,13,14,15,16 History of Hindi Literature (III&IV) Kaal	0404	3	3	3	20	80	100
V		0504	3	3	3	15	35	50
VI		0604	3	3	3	15	35	50

*Head*  
Department of Hindi  
NIZAM COLLEGE (Autonomous)  
New Mallepally, Hyd-01.

*Mrs. Mohi Estina*  
Mrs. MOHI ESTINA  
H.O D Dept of HINDI  
ANWAR-UL-ULOOM COLLEGE  
NEW MALLEPALLY, HYD.



# ANWARUL ULOOM COLLEGE (Autonomous) 278

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## Faculty of Social Sciences Department of Psychology B. A. ( English Literature, History & Psychology ) ( 2022 – 23 )

Choice Based Credit System Pattern (w. e. f. 2015 – 16)  
( Approved Syllabus for the Academic Year 2022 – 23 )

Code	Title	HPW	Credits	Exam Hours	Marks
<b>I – Semester</b>					
ELS 1	English (First Language	4	4	2	80 + 20
SLS 1	Second Language	4	4	2	80 + 20
AECC 1	Environmental Science / Basic Computer Skills	2	2	2	50
DSC 101	General Psychology – I	5	5	2	80 + 20
DSC 102	English Literature – I	5	5	2	80 + 20
DSC 103	History – I	5	5	2	80 + 20
	Total	25	25		550
<b>II – Semester</b>					
ELS 2	English (First Language	4	4	2	80 + 20
SLS 2	Second Language	4	4	2	80 + 20
AECC II	Basic Computer Skills / Environmental Science	2	2	2	50
DSC 201	Personality Theories and Assessment	5	5	2	80 + 20
DSC 202	English Literature – II	5	5	2	80 + 20
DSC 203	History – II	5	5	2	80 + 20
	Total	25	25		550
<b>III – Semester</b>					
ELS 3	English (First Language	4	3	2	80 + 20
SLS 3	Second Language	4	3	2	80 + 20
SECC I	Life Skills	2	2	2	50
SECC 2	Psychology in Profession Settings	2	2	2	50
DSC 301 (T)	Social Psychology	4	4	3	80
DSC 301 (P)	Experimental Psychology	2	1	2	20
DSC 302	English Literature – III	5	5	2	80 + 20
DSC 303	History – III	5	5	2	80 + 20
	Total	28	25		600
<b>IV – Semester</b>					
ELS 4	English (First Language	4	3	2	80 + 20
SLS 4	Second Language	4	3	2	80 + 20
SECC 3	Stress Management and Well Being	2	2	2	50
SECC 4	Health Behaviour and Lifestyles	2	2	2	50



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DSC 401 (T)	Abnormal Psychology	4	4	3	80
DSC 401 (P)	Experiments on Behavioural Phenomena	2	1	2	20
DSC 402	English Literature - IV	5	5	2	80 + 20
DSC 403	History - IV	5	5	2	80 + 20
	Total	28	25		600
<b>V - Semester</b>					
ELS 5	English (First Language)	3	3	2	80 + 20
SLS 5	Second Language	3	3	2	80 + 20
GE	Psychological Competencies	2	2	2	50
DSE 501 (T)	(A) Child Psychology (OR) (B) Educational Psychology	4	4	3	80
DSE 501 (P)	Psychological Testing	2	1	2	20
DSC 502	English Literature - V	5	5	2	80 + 20
DSC 503	History - V	5	5	2	80 + 20
	Total	24	23		550
<b>VI - Semester</b>					
ELS 6	English (First Language)	3	3	2	80 + 20
SLS 6	Second Language	3	3	2	80 + 20
PR	Research in Psychology & Project Work	2 T + 4 R	4	2	50
DSE 601 (T)	(A) Adolescent Psychology (OR) (B) Health Psychology	4	4	3	80
DSE 601 (P)	Psychological Assessment	2	1	2	20
DSC 602	English Literature - VI	5	5	2	80 + 20
DSC 603	History - VI	5	5	2	80 + 20
	Total	28	25		550
	Grand Total	156 / 152	150		

ELS: English Language Skill; SLS: Second Language Skills; AES: 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; U: University Exam; PR: Project Report; VV: Viva Voce Examination

- Note: i) A student should opt for either A or B of DSE Groups in V and VI - Semesters.  
 ii) Project Work should be done individually under the supervision of the Teachers.

### Summary of Credits (Overall)

S. No.	Course Category	No. of Credits	Credits per Course	Credits
1	English Language	6	4 / 3	20
2	Modern Language	6	4 / 3	20
3	A-EC	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
	Total	38		150

10/10/20



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**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



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(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)



S.No	Year	Sem	Paper/Ttile	Teaching Hours W	Units	Credits	Marks		Total
							Internal Assmnt	End Sem	
							20	80	100
1	1 <sup>st</sup> Year	I	Mutala-e-Adab part-1 (Urdu Second Language)	4	4	4	-	50	50
2	1 <sup>st</sup> Year	I	Environmental Science (AECC-I)	2	2	2	-	80	100
3	1 <sup>st</sup> Year	II	Mutala-e-Adab Part -1 1 (Urdu Second Language)	4	4	4	15	50	50
4	1 <sup>st</sup> year	II	Basic Computer Skills (AECC-II)	2	2	2	-	35	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