



Annexure- 4 E

MGM SCHOOL OF BIOMEDICAL SCIENCES
(A constituent unit of MGM INSTITUTE OF HEALTH SCIENCES)

(Deemed University u/s 3 of UGC Act 1956)

Grade “A” Accredited by NAAC

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CHOICE BASED CREDIT SYSTEM (CBCS)

(Academic Year 2018 - 19)

Curriculum for

B.Sc. Allied Health Sciences

B.Sc. Operation Theater & Anesthesia Technology

OUTLINE OF COURSE CURRICULUM												
B.Sc. Operation Theatre and Anaesthesia Technology												
Semester I												
Code No.	Core Subjects	Credits/Week				Hrs/Semester				Marks		
		Lecture (L)	Tutorial (T)	Practical (P)	Total Credits (C)	Lecture (L)	Tutorial (T)	Practical (P)	Total hrs.	Internal Assessment	Semester Exam	Total
Theory												
BATOT 101 L	Human Anatomy Part I	3	-	-	3	45	-	-	45	20	80	100
BATOT 102 L	Human Physiology Part I	3	-	-	3	45	-	-	45	20	80	100
BATOT 103 L	General Biochemistry Nutrition	3	1	-	4	45	15	-	60	20	80	100
BATOT 104 L	Introduction to National Health Care System (Multidisciplinary/ Interdisciplinary)	3	-	-	3	45	-	-	45	20	80	100
Practical												
BATOT 101 P	Human Anatomy Part I	-	-	4	-	-	-	60	60	-	-	-
BATOT 102 P	Human Physiology Part I	-	-	4	-	-	-	60	60	-	-	-
BATOT 103 P	General Biochemistry	-	-	4	-	-	-	60	60	-	-	-
BATOT105 P	Community Orientation & Clinical Visit (Including related practicals to the Parent course)	-	-	8	-	-	-	120	120	-	-	-
Ability Enhancement Elective Course												
AEC 001 L	English & Communication skills	3	-	-	3	45	-	-	45	100	-	100
AEC 002 L	Environmental Sciences											
Total		15	1	20	16	225	15	300	540	180	320	500

OUTLINE OF COURSE CURRICULUM												
B.Sc. Operation Theatre and Anaesthesia Technology												
Semester II												
Code No.	Core Subjects	Credits/Week				Hrs/Semester				Marks		
		Lecture (L)	Tutorial (T)	Practical (P)	Total Credits (C)	Lecture (L)	Tutorial (T)	Practical (P)	Total hrs.	Internal Assessment	Semester Exam	Total
Theory												
BATOT 106 L	Human Anatomy Part II	2	-	-	2	30	-	-	30	10	40	50
BATOT 107 L	Human Physiology Part II	2	-	-	2	30	-	-	30	10	40	50
BATOT 108 L	General Microbiology	3	-	-	3	45	-	-	45	20	80	100
BATOT 109 L	Basic Pathology & Hematology	3	1	-	4	45	15	-	60	20	80	100
BATOT 110 L	Introduction to Quality and Patient safety (Multidisciplinary/Interdisciplinary)	3	-	-	3	45	-	-	45	20	80	100
Practical												
BATOT 106 P	Human Anatomy Part II	-	-	4	-	-	-	60	60	-	-	-
BATOT 107 P	Human Physiology Part II	-	-	2	-	-	-	30	30	-	-	-
BATOT 108 P	General Microbiology	-	-	4	-	-	-	60	60	-	-	-
BATOT 109 P	Basic Pathology & Hematology	-	-	4	-	-	-	60	60	-	-	-
BATOT 111 P	Community Orientation & Clinical Visit (Including related practicals to the parent course)	-	-	8	-	-	-	120	120	-	-	-
Skill Enhancement Elective Course												
SEC 001 L	Medical Bioethics & IPR	3	-	-	3	45	-	-	45	100	-	100
SEC 002 L	Human Rights & Professional Values											
Total		16	1	22	17	240	15	330	585	180	320	500

OUTLINE OF COURSE CURRICULUM														
B.Sc. Operation Theatre and Anaesthesia Technology														
Semester III														
Code No.	Core Subjects	Credits/Week					Hrs/Semester					Marks		
		Lecture (L)	Tutorial (T)	Practical (P)	Clinical Posing /Rotation	Total Credits (C)	Lecture (L)	Tutorial (T)	Practical (P)	Clinical Posing /Rotation	Total hrs.	Internal Assessment	Semester Exam	Total
Theory														
BATOT 112 L	Introduction To Operation Theatre Technology (OT)	2	1	-	-	3	30	15	-	-	45	20	80	100
BATOT 113 L	Introduction To Anesthesia Technology (AT)	3	-	-	-	3	45	-	-	-	45	20	80	100
BATOT 114 L	Principles of Anesthesia	3	-	-	-	3	45	-	-	-	45	20	80	100
BATO T115 CP	ATOT Directed Clinical Education-I	-	-	-	27	9	-	-	-	405	405	50	-	50
Practical														
BATOT 112 P	Introduction To Operation Theatre Technology (OT)	-	-	4	-	2	-	-	60	-	60	10	40	50
BATOT 113 P	Introduction To Anesthesia Technology (AT)	-	-	4	-	2	-	-	60	-	60	10	40	50
Generic Elective Course														
GEC 001 L	Pursuit of Inner Self Excellence (POIS)	3	-	-	-	3	45	-	-	-	45	100	-	100
GEC 002 L	Organisational Behaviour													
Total		11	1	8	27	25	165	15	120	405	705	230	320	550

OUTLINE OF COURSE CURRICULUM														
B.Sc. Operation Theatre and Anaesthesia Technology														
Semester IV														
Code No.	Core Subjects	Credits/Week					Hrs/Semester					Marks		
		Lecture (L)	Tutorial (T)	Practical (P)	Clinical Posing /Rotation	Total Credits (C)	Lecture (L)	Tutorial (T)	Practical (P)	Clinical Posing /Rotation	Total hrs.	Internal Assessment	Semester Exam	Total
Theory														
BATOT 116 L	Basic techniques of Anesthesia	2	-	-	-	2	30	-	-	-	30	20	80	100
BATOT 117 L	Medical diseases influencing choice of Anesthesia	3	-	-	-	3	45	-	-	-	45	20	80	100
BATOT 118 L	Medicine relevant to OT technology	3	-	-	-	3	45	-	-	-	45	20	80	100
BATOT 119 CP	ATOT Directed Clinical Education-II	-	-	-	30	10	-	-	-	450	450	50	-	50
Practical														
BATOT 116 P	Basic techniques of Anesthesia	-	-	4	-	2	-	-	60	-	60	10	40	50
Ability Enhancement Elective Course														
AEC 003 L	Computer and Applications	3	-	-	-	3	45	-	-	-	60	100	-	100
AEC 004 L	Biostatistics and Research Methodology													
Total		11	0	4	30	23	165	0	60	450	690	220	280	500

OUTLINE OF COURSE CURRICULUM														
B.Sc. Operation Theatre and Anaesthesia Technology														
Semester V														
Code No.	Core Subjects	Credits/Week					Hrs/Semester					Marks		
		Lecture (L)	Tutorial (T)	Practical (P)	Clinical Posing/Rotation	Total Credits (C)	Lecture (L)	Tutorial (T)	Practical (P)	Clinical Posing/Rotation	Total hrs.	Internal Assessment	Semester Exam	Total
Theory														
BATOT 120 L	Basics of Surgical Procedures	2	-	-	-	2	30	-	-	-	30	20	80	100
BATOT 121 L	CSSD Procedures	2	-	-	-	2	30	-	-	-	30	20	80	100
BATOT 122 L	Advance Anesthetic Techniques	2	1	-	-	3	45	-	-	-	45	20	80	100
BATOT 123 CP	ATOT Directed Clinical Education-III	-	-	-	30	10	-	-	-	450	450	50	-	50
Practical														
BATOT 120 P	Basics of Surgical Procedures	-	-	4	-	2	-	-	60	-	60	10	40	50
BATOT 122 P	Advance Anesthetic Techniques	-	-	4	-	2	-	-	60	-	60	10	40	50
Core Elective Course														
CEC 005 L	Basics of Clinical Skill Learning	3	-	-	-	3	45	-	-	-	45	100	-	100
CEC 006 L	Hospital Operation Management													
Total		9	1	8	30	24	150	0	120	450	720	230	320	550

OUTLINE OF COURSE CURRICULUM														
B.Sc. Operation Theatre and Anaesthesia Technology														
Semester VI														
Code No.	Core Subjects	Credits/Week					Hrs/Semester					Marks		
		Lecture (L)	Tutorial (T)	Practical (P)	Clinical Posing/Rotation	Total Credits (C)	Lecture (L)	Tutorial (T)	Practical (P)	Clinical Posing/Rotation	Total hrs.	Internal Assessment	Semester Exam	Total
Theory														
BATOT 124 L	Basic Intensive Care	2	-	-	-	2	30	-	-	-	30	20	80	100
BATOT 125 L	Specialized Surgery and Anesthesia	4	-	-	-	2	60	-	-	-	60	20	80	100
BATOT 126 L	Electronics and technology in Surgery and Anesthesia	2	1	-	-	3	30	15	-	-	45	20	80	100
BATOT 127 CP	ATOT Directed Clinical Education-IV	-	-	-	45	15	-	-	-	675	675	50	-	50
Total		8	1	0	45	22	120	15	0	675	810	110	240	350

OUTLINE OF COURSE CURRICULUM										
B.Sc. Operation Theatre and Anaesthesia Technology										
Semester VII & Semester VIII										
Code No.	Core Subjects	Credits/Week				Hrs/Semester				
		Lecture (L)	Tutorial (T)	Practical (P)	Clinical Posing/Rotation	Lecture (L)	Tutorial (T)	Practical (P)	Clinical Posing/Rotation	Total hrs.
	Sem VII (Internship)	-	-	-	720	-	-	-	720	720
	Sem VIII (Internship)				720				720	720
Total		0	0	0	1440	0	0	0	1440	1440