



Annexure-3

MGM SCHOOL OF BIOMEDICAL SCIENCES
(A constituent unit of MGM INSTITUTE OF HEALTH SCIENCES)
(Deemed University u/s 3 of UGC Act 1956)
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CHOICE BASED CREDIT SYSTEM (CBCS)

(Academic Year 2018 - 19)

Curriculum for

B.Sc. Allied Health Sciences

B.Sc. Medical Dialysis Technology

OUTLINE OF COURSE CURRICULUM												
B.Sc. Medical Dialysis 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												
BMDT 101 L	Human Anatomy Part I	3	-	-	3	45	-	-	45	20	80	100
BMDT 102 L	Human Physiology Part I	3	-	-	3	45	-	-	45	20	80	100
BMDT 103 L	General Biochemistry Nutrition	3	1	-	4	45	15	-	60	20	80	100
BMDT 104 L	Introduction to National Health Care System (Multidisciplinary/ Interdisciplinary)	3	-	-	3	45	-	-	45	20	80	100
Practical												
BMDT 101 P	Human Anatomy Part I	-	-	4		-	-	60	60	-	-	-
BMDT 102 P	Human Physiology Part I	-	-	4		-	-	60	60	-	-	-
BMDT 103 P	General Biochemistry	-	-	4		-	-	60	60	-	-	-
BMDT 105 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. Medical Dialysis 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												
BMDT 106 L	Human Anatomy Part II	2	-	-	2	30	-	-	30	10	40	50
BMDT 107 L	Human Physiology Part II	2	-	-	2	30	-	-	30	10	40	50
BMDT 108 L	General Microbiology	3	-	-	3	45	-	-	45	20	80	100
BMDT 109 L	Basic Pathology & Hematology	3	1	-	4	45	15	-	60	20	80	100
BMDT 110 L	Introduction to Quality and Patient safety (Multidisciplinary/ Interdisciplinary)	3	-	-	3	45	-	-	45	20	80	100
Practical												
BMDT 106 P	Human Anatomy Part II	-	-	4		-	-	60	60	-	-	-
BMDT 107 P	Human Physiology Part II	-	-	2		-	-	30	30	-	-	-
BMDT 108 P	General Microbiology	-	-	4		-	-	60	60	-	-	-
BMDT 109 P	Basic Pathology & Hematology	-	-	4		-	-	60	60	-	-	-
BMDT 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. Medical Dialysis 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															
BMDT 112 L	Introduction To Dialysis	3	-	-	-	3	45	-	-	-	45	20	80	100	
BMDT 113 L	Fundamentals of Dialysis	3	-	-	-	3	45	-	-	-	45	20	80	100	
BMDT 114 L	Pharmacology in Dialysis	3	-	-	-	3	45	-	-	-	45	20	80	100	
BMDT 115 CP	MDT Directed Clinical Education -I	-	-	-	24	8	-	-	-	360	360	50	-	50	
Practical															
BMDT 112 P	Introduction To Dialysis	-	-	4	-	2	-	-	60	-	60	10	40	50	
BMDT 113 P	Fundamentals of Dialysis	-	-	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		12	0	8	24	24	180	0	120	360	660	230	320	550	

OUTLINE OF COURSE CURRICULUM															
B.Sc. Medical Dialysis 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															
BMDT 116 L	Concept of Renal Disease & Disorders	4	-	-	-	4	60	-	-	-	60	20	80	100	
BMDT 117 L	Nutrition in Dialysis	3	-	-	-	3	45	-	-	-	45	20	80	100	
BMDT 118 CP	MDT Directed Clinical Education -II	-	-	-	30	10	-	-	-	450	450	50	-	50	
Practical															
BMDT 116 P	Concept of Renal Disease & Disorders	-	-	2	-	1	-	-	30	-	30	10	40	50	
BMDT 119	Seminar	-	-	-	-	1	-	-	-	-	50	-	50		
Ability Enhancement Elective Course															
AEC 003 L	Computer and Applications	3	-	-	-	3	45	-	-	-	45	100	-	100	
AEC 004 L	Biostatistics and Research Methodology														
Total		10	0	2	30	22	150	0	30	450	630	250	200	450	

OUTLINE OF COURSE CURRICULUM														
B.Sc. Medical Dialysis 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														
BMDT 120 L	Applied Dialysis Technology: Part – I	4	-	-	-	4	60	-	-	-	60	20	80	100
BMDT 121 L	Advance Dialysis Technology Part –I	4	-	-	-	4	60	-	-	-	60	20	80	100
BMDT 122 CP	MDT Directed Clinical Education-III	-	-	-	24	8	-	-	-	360	360	50	-	50
Practical														
BMDT 120 P	Applied Dialysis Technology: Part – 1	-	-	4	-	2	-	-	60	-	60	10	40	50
BDT 121 P	Advance Dialysis Technology Part –I	-	-	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		11	0	8	24	23	165	0	120	360	645	210	240	450

OUTLINE OF COURSE CURRICULUM														
B.Sc. Medical Dialysis 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														
BMDT 123 L	Applied Dialysis Technology - II	4	-	-	-	4	60	-	-	-	60	20	80	100
BMDT 124 L	Advance Dialysis Technology- II	4	-	-	-	4	60	-	-	-	60	20	80	100
BMDT 125 CP	MDT Directed Clinical Education -IV	-	-	-	30	10	-	-	-	450	450	50	-	50
Practical														
BDT 123 P	Applied Dialysis Technology - II	-	-	4	-	2	-	-	60	-	60	10	40	50
BDT 124 P	Advance Dialysis Technology - II	-	-	4	-	2	-	-	60	-	60	10	40	50
Total		8	0	8	30	22	120	0	120	450	690	110	240	350

OUTLINE OF COURSE CURRICULUM														
B.Sc. Medical Dialysis Technology														
Semester VII & Semester VIII														
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
	Sem VII (Internship)	-	-	-	720	16	-	-	-	720	720		-	-
	Sem VIII (Internship)				720	16				720	720			
Total		0	0	0	1440	32	0	0	0	1440	1440	0	0	0