

Annexure-4 A

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 Sector 1, Kamothe Navi Mumbai-410209, Tel.No.:022-27437631,27437632,27432890 Email. <u>sbsnm@mgmuhs.com</u>/Website: www.mgmsbsnm.edu.in

CHOICE BASED CREDIT SYSTEM (CBCS)

(Academic Year 2018 - 19)

Curriculum for

B.Sc. Allied Health Sciences

B.Sc. Cardiac Care Technology

		C	DUTLIN	IE OF CO	OURSE CUF	RICULU	м							
			B.Sc.	. Cardia	c Care Tec	hnology								
				Se	mester I									
			Cre	dits/Week			Hrs/Se	mester			Marks	-		
Code No.	Core Subjects	Lecture (L)	Tutorial (T)	Practical (P)	Total Credits (C)	Lecture (L)	Tutorial (T)	Practical (P)	Total hrs.	Internal Assessment	Semester Exam	Total		
	Theory													
BCCT 101 L	Human Anatomy Part I	3	-	-	3	45	-	-	45	20	80	100		
BCCT 102 L	Human Physiology Part I	3	-	-	3	45	-	-	45	20	80	100		
BCCT 103 L	General Biochemistry Nutrition	3	1	-	4	45	15	-	60	20	80	100		
BCCT 104 L	Introduction to National Health Care System (Multidisciplinary/ Interdisciplinary)	3	-	-	3	45	-	-	45	20	80	100		
				1	Practical									
BCCT 101 P	Human Anatomy Part I	-	-	4	-	-	-	60	60	-	-	-		
BCCT 102 P	Human Physiology Part I	-	-	4	-	-	-	60	60	-	-	-		
BCCT 103 P	General Biochemistry	-	-	4	-	-	-	60	60	-	-	-		
BCCT105 P	Community Orientation & Clinical Visit (Including related practicals to the Parent course)	-	-	8	-	-	-	120	120	-	-	-		
			Abilit	y Enhance	ement Electiv	e Course								
AEC 001 L	English & Communication skills	3			3	45			45	100		100		
AEC 002 L	Envioronmental Sciences	, 	-	-	3	40	-	-	45	100	-	100		
	Total	15	1	20	16	225	15	300	540	180	320	500		

					OURSE C ac Care I							
					emester I		- 87					
			Credi	ts/Week			Hrs/S	emester			Marks	
Code No.	Core Subjects	Lecture (L)	Tutorial (T)	Practical (P)	Total Credits (C)	Lecture (L)	Tutorial (T)	Practical (P)	Total hrs.	Internal Assessment	Semester Exam	Total
					Theory							
BCCT 106 L	Human Anatomy Part II	2	-	-	2	30	-	-	30	10	40	50
BCCT 107 L	Human Physiology Part II	2	-	-	2	30	-	-	30	10	40	50
BCCT 108 L	General Microbiology	3	-	-	3	45	-	-	45	20	80	100
BCCT 109 L	Basic Pathology & Hematology	3	1	-	4	45	15	-	60	20	80	100
BCCT 110 L	Introduction to Quality and Patient safety (Multidisciplinary/Interdisciplinary)	3	-	-	3	45	-	-	45	20	80	100
					Practical							
BCCT 106 P	Human Anatomy Part II	-	-	4	-	-	-	60	60	-	-	-
BCCT 107 P	Human Physiology Part II	-	-	2	-	-	-	30	30	-	-	-
BCCT 108 P	General Microbiology	-	-	4	-	-	-	60	60	-	-	-
BCCT 109 P	Basic Pathology & Hematology	-	-	4	-	-	-	60	60	-	-	-
BCCT 111 P	Community Orientation & Clinical Visit (Including related practicals to the parent course)	-	-	8	-	-	-	120	120	-	-	-
			Skil	l Enhance	ment Elec	tive Cour	se					
SEC 001 L	Medical Bioethics & IPR	3			3	45			45	100		100
SEC 002 L	Human Rights & Professional Values	, ,	-	-	3	40	-	-	40	100	-	100
	Total	16	1	22	17	240	15	330	585	180	320	500

			OU	TLINE O	F COUF	RSE CU	IRRICUI	UM						
]	B.Sc. Ca	rdiac C	are Te	chnolog	y						
					Semes	ter III								
													Marks	
Code No.	Core Subjects	Lecture (L)	Tutorial (T)	Practical (P)	Clinical Posing /Rotation	Total Credits (C)	Lecture (L)	Tutorial (T)	Practical (P)	Clinical Posing/ Rotation	Total hrs.	Internal Assessme nt	Semester Exam	Total
					The	ory								
BCC T112 L	Applied Anatomy, Physiology, Pharmacology in Cardiac care	3	1	-	-	4	60	-	-	-	60	20	80	100
BCCT 113 L	Basic Electrocardiography	3	-	-	-	3	45	-	-	-	45	20	80	100
BCCT114 L	Basic Echocardiography	2	-	-	-	2	30	-	-	-	30	20	80	100
BCCT115 CP	CCT Directed Clinical Education-I	-	-	-	27	9	-	-		405	405	50	-	50
					Prac	tical								
BCCT113 P	Basic Electrocardiography	-	-	2	-	1	-	-	30	-	30	10	40	50
BCCT114 P	Basic Echocardiography	-	-	4	-	2	-	-	60	-	60	10	40	50
				Gei	ieric Elec	ctive Co	urse							
GEC 001 L	Pursuit of Inner Self Excellence (POIS)	3				2	45				45	100		100
GEC 002 L	Organisational Behaviour	3	-	-	-	3	40	-	-	-	45	100	-	100
	Total	11	1	6	27	24	180	0	90	405	675	230	320	550

			OUTLI	NE OF C	OURSE	CURR	ICULU	м							
			B.Se	c. Cardi	ac Care	Techi	iology								
				Se	mester	IV									
			С	redits/Weel	\$			1	Hrs/Semest	er			Marks		
Code No.	Core Subjects	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														
BCCT 116 L	Development of Cardiovascular system : Fetal & Neonatal	2	1	-	-	3	45	-	-	-	45	20	80	100	
BCCT 117 L	Cardiovascular diseases pertinent to Cardiac care technology	2	1	-	-	3	45	-	-	-	45	20	80	100	
BCCT 118 L	Medical Instrumentation relevant to Cardiac care	1	1	-	-	2	30	-	-	-	30	20	80	100	
BCCT 119 CP	CCT Directed Clinical Education-II	-	-	-	27	9	-	-	-	405	405	50	-	50	
					Practical										
BCCT 118 P	Medical Instrumentation relevant to Cardiac care	-	-	8	-	4	-	-	60	-	60	20	80	100	
			Abil	ity Enhand	cement E	lective (Course								
AEC 003 L AEC 004 L	Computer and Applications Biostatistics and Research Methodology	- 3	-	-	-	3	45	-	-	-	45	100	-	100	
	Total	8	3	8	27	24	165	0	60	405	630	230	320	550	

			OUT	LINE OF	COUR	SE CUF	RICUL	.UM						
			В	.Sc. Car	diac Ca	re Tec	hnolog	у						
					Semest	er V								
	Credits/Week Hrs/Semester Marks													
Code No.	Core Subjects	Lecture (L)	Tutorial (T)	Practical (P)	Clinical Posing/ Rotation	Total Credits (C)	Lecture (L)	Tutorial (T)	Practical (P)	Clinical Posing/ Rotation	Total hrs.	Internal Assessme nt	Semester Exam	Total
					Theo	ry								
BCCT 120 L	Advanced Electrocardiography	2	-	-	-	2	30	-	-	-	30	20	80	100
BCCT 121 L	Advanced Echocardiography	2	-	-	-	2	30	-	-	-	30	20	80	100
BCCT 122 L	Invasive Cardiology	2	1	-	-	3	45	-	-	-	45	20	80	100
BCCT 123 CP	CCT Directed Clinical Education-III	-	-	-	24	8	-	-	-	360	360	50	-	50
					Practi	cal								
BCCT 120 P	Advanced Electrocardiography	-	-	4	-	2	-	-	60	-	60	10	40	50
BCCT 121 P	Advanced Echocardiography	-	-	4	-	2	-	-	60	-	60	10	40	50
				Co	re Electiv	e Cours	e							
CEC 005 L	Basics of Clinical Skill Learning	3				2	45				45	100		100
CEC 006 L	Hospital Operation Management	د _ا	-	-	-	3	40	-	-	-	45	100	-	100
	Total	9	1	8	24	22	150	0	120	360	630	230	320	550

			OUT	LINE OF	COURS	SE CUR	RICULU	JM						
			B	Sc. Car	diac Ca	re Tec	hnology	,						
					Semeste	er VI								
Credits/Week Hrs/Semester Marks														
Code No.	Core Subjects	Lecture (L)	Tutorial (T)	Practical (P)	Clinical Posing/ Rotation	Total Credits (C)	Lecture (L)	Tutorial (T)	Practical (P)	Clinical Posing/ Rotation	Total hrs.	Internal Assessme nt	Semester Exam	Total
	Theory													
BCCT 124 L	Cardiac Catheterization	2	-	-	-	2	30	-	-	-	30	20	80	100
BCCT 125 L	Pediatric Interventions	2	-	-	-	2	30	-	-	-	30	20	80	100
BCCT 126 L	CCT Directed Clinical Education-IV	-	-	-	30	10	-	-	-	450	450	50	-	50
					Praction	cal								
BCCT 124 P	Cardiac Catheterization	-	-	4	-	2	-	-	60	-	60	10	40	50
BCCT 125 P	Pediatric Interventions	-	-	4	-	2	-	-	60	-	60	10	40	50
	Total	4	0	8	30	18	60	0	120	450	630	110	240	350

	OUTLINE OF COURSE CURRICULUM													
	B.Sc. Cardiac Care Technology (Internship)													
	Semester VII & Semester VIII													
			Credi	ts/Week		Hrs/Semester								
Code No.	Core Subjects	Lecture (L)	Tutorial (T)	Practical (P)	Clinical Posing/Ro tation	Lecture (L)	Tutorial (T)	Practical (P)	Clinical Posing/Ro tation	Total hrs.				
	Sem VII (Internship)	-	-	-	720	-	-	-	720	720				
	Sem VIII (Internship)				720				720	720				
	Total	0	0	0	1440	0	0	0	1440	1440				