

Annexure-4

## 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. Perfusion Technology** 

		(	DUTLINI	E OF CO	URSE CUR	RICULU	М					
			B.S	c. Perfu	sion Techn	ology						
				Sei	nester I							
			Cred	its/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
				1	Theory				•			
BPT 101 L	Human Anatomy Part I	3	-	-	3	45	-	-	45	20	80	100
BPT 102 L	Human Physiology Part I	3	-	-	3	45	-	-	45	20	80	100
BPT 103 L	General Biochemistry Nutrition	3	1	-	4	45	15	-	60	20	80	100
BPT 104 L	Introduction to National Health Care System (Multidisciplinary/ Interdisciplinary)	3	-	-	3	45	1	-	45	20	80	100
				P	ractical							
BPT 101 P	Human Anatomy Part I	-	-	4		-	-	60	60	-	-	-
BPT 102 P	Human Physiology Part I	-	-	4		-	-	60	60	-	-	-
BPT 103 P	General Biochemistry	-	-	4		-	-	60	60	-	-	-
BPT 105 P	Community Orientation & Clinical Visit (Including related practicals to the Parent course)	-	-	8		-	-	120	120	-	-	-
			Ability	Enhance	ment Elective	e Course						
AEC 001 L	English & Communication Skills	- 3			3	45			45	100		100
AEC 002 L	Envioronmental Sciences		-	_		43	-	-	45	100	-	100
	Total	15	1	20	16	225	15	300	540	180	320	500

			OUTLIN	E OF CO	URSE CUR	RICULL	JM								
			B.S	c. Perfu	sion Techn	ology									
				Sei	nester II										
			Credi	ts/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				<u> </u>						
BPT 106 L	2 2 0 10 10 10 10 10 10 10 10 10 10 10 10 1														
BPT 107 L	Human Physiology Part II	2	-	-	2	30	-	-	30	10	40	50			
BPT 108 L	General Microbiology	3	-	-	3	45	-	-	45	20	80	100			
BPT 109 L	Basic Pathology & Hematology	3	1	-	4	45	15	-	60	20	80	100			
BPT 110 L	Introduction to Quality and Patient safety (Multidisciplinary/Interdisciplinary)	3	-	-	3	45	-	-	45	20	80	100			
				P	ractical										
BPT 106 P	Human Anatomy Part II	-	-	4		-	-	60	60	-	-	-			
BPT 107 P	Human Physiology Part II	-	-	2		-	-	30	30	-	-	-			
BPT 108 P	General Microbiology	-	-	4		-	-	60	60	-	-	-			
BPT 109 P	Basic Pathology & Hematology	-	-	4		-	-	60	60	-	-	-			
BPT 111 P	Community Orientation & Clinical Visit (Including related practicals to the parent course)	1	1	8		-	-	120	120	-	-	-			
			Skill	Enhancen	nent Elective	Course									
SEC 001 L	Medical Bioethics & IPR	3		_	3	45			45	100		100			
SEC 002 L	Human Rights & Professional Values	,	-	_	,	40	_	_	43	100	-	100			
	Total	16	1	22	17	240	15	330	585	180	320	500			

		0	UTLINI	OF CO	URSE C	URRIC	ULUM							
			B.S	c. Perfu	sion Tec	hnolog	у							
				Sen	iester II	I								
	Credits/Week Hrs/Semester												Marks	
Code No.	Core Subjects	Lecture (L)	Tutorial (T)	Practical (P)	Clinical Posting /Rotation	Total Credits (C)	Lecture (L)	Tutorial (T)	Practi cal (P)	Clinical Posting/ Rotation	Total hrs.	Internal Assess ment	1	Tota
				7	heory			•						
BPT 112 L	Applied Pharmacology	3	1	-	-	4	45	15	-	-	60	20	80	100
BPT 113 L	Applied Anatomy and Physiology of Cardiovascular system related to PT	3	1	-	-	4	45	15	-	-	60	20	80	100
BPT 114 L	Basics of Perfusion Technology	2	1	-	-	3	30	15	-	-	45	20	80	100
BPT 115 CP	PT Directed Clinical Education-III	-	-	-	24	8	-	-		360	360	50	-	50
				Pı	acticals									
	Applied Anatomy and Physiology of Cardiovascular system related to PT	-	-	4	-	2	-	-	60	-	60	10	40	50
BPT 114 P	Basics of Perfusion Technology	-	-	4	-	2	-	-	60	-	60	10	40	50
				Generic I	Elective C	ourse		•						
GEC 001 L	Pursuit of Inner Self Excellence (POIS)	3	-	-	-	3	45	-	-	-	45	100	-	100
GEC 002 L	Organisational Behaviour Total	11	3	8	24	26	165	45	120	360	690	230	320	550

		Ol	JTLINE	OF CO	URSE C	URRIC	CULUN	1						
			B.S	. Perfu	sion Tec	hnolog	<b>z</b> y							
				Sen	iester F	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
				7	Theory									
BPT 116 L														
BPT 117 L	Introduction of Perfusion Techniques	2	1	-	-	3	30	15		-	45	20	80	100
BPT 118 CP	PT Directed Clinical Education-IV	-	-	-	30	10	-	-		450	450	50	-	50
				Pı	acticals									
BPT 116 P	Applied Physiology and Biochemistry	-	-	4	-	2	-	-	60	-	60	10	40	50
BPT 117 P	Introduction of Perfusion Techniques	-	-	4	-	2	-	-	60	-	60	10	40	50
			Ability	Enhance	ment Ele	ctive Co	ourse							
AEC 003 L	Computer and Applications	3				3	45				45	100		100
AEC 004 L	Biostats and Research Methodology	3	-	-	-	3	43	-	-	-	45	100	-	100
	Total	7	2	8	30	23	105	30	120	450	225	210	240	450

		С	UTLIN	E OF C	OURSE	CURR	ICULU	М						
			В.9	Sc. Perf	usion Te	chnolo	gy							
				Se	mester	V								
			Cı	redits/Wee	k			Н	rs/Semeste	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 Assessme nt	Semeste r Exam	Total
					Theory									
BPT 119 L Perfusion Technology: Clinical 3 1 <b>4</b> 45 15 <b>60</b> 20 80 <b>100</b>														
BPT 120 L	Perfusion technology: Applied	3	-	-	-	3	45	-	-	-	45	20	80	100
BPT 121 CP	PT Directed Clinical Education-V	-	-	-	30	10	-	-		450	100	50	-	50
				1	Practicals									
BPT 119 P	Perfusion Technology: Clinical	-	-	4	-	2	-	-	60	1	60	10	40	50
BPT 120 P	Perfusion Technology: Applied	-	-	4	-	2	-	-	60	-	60	10	40	50
	<u> </u>			Core I	Elective C	ourse								
CEC 005 L	Basics of Clinical Skills Learning											400		100
CEC 006 L	Hospital Operation Management	3	-	-	,	3	45	-	-	1	45	100	-	100
	Total	9	1	8	30	24	135	15	120	450	265	210	240	450

	OUTLINE OF COURSE CURRICULUM													
	B.Sc. Perfusion Technology													
	Semester VI													
	Credits/Week Hrs/Semester Marks													
Code No.	Code No. Core Subjects  Lecture (I) Tutorial (P) Practical													
	Theory													
BPT 122 L	Perfusion technology: Advanced	3	1	-	-	4	45	15	-	-	60	20	80	100
BPT 123 L	Recent advances in Cardiopulmonary bypass & Perfusion	2	1	-	_	3	30	15	-	-	45	20	80	100
BPT 124 CP	PT Directed Clinical Education-VI	-	-	-	30	10	-	-		450	450	50	-	50
	Practicals													
BPT 122 P	Perfusion technology: Advanced			4	-	2	-	-	60	-	60	10	40	50
	Total	5	2	4	30	19	75	30	60	450	165	100	200	300

	OUTLINE OF COURSE CURRICULUM													
	B.Sc. Perfusion Technology													
	Semester VII & Semester VIII													
	Credits/Week Hrs/Semester Marks													
Code No.	Core Subjects	Lecture (L)	Tutorial (T)	Practical (P)	Clinical Posing/Ro tation	Total Credits (C)	Lecture (L)	Tutorial (T)	Practical (P)	Clinical Posing/Ro tation	Total hrs.	Internal Assessme nt	Semester Exam	Total
	PT Internship	-	-	-	96	32	-	1	-	1440	1440	-	-	-
	Total 0 0 0 96 32 0 0 0 1440 1440 0 0 0											0		