



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 2024 - 25)

Curriculum for

B.Sc. Allied Health Sciences

B.Sc. Physician Assistant in Emergency & Trauma Care

Semester I to VIII

OUTLINE OF COURSE CURRICULUM														
B.Sc. Physician Assistant in Emergency & Trauma Care														
Semester I														
Code No.	Core Course	Credits/Week					Hrs/Semester					Marks		
		Lecture (L)	Tutorial (T)	Practical (P)	Clinical Posing/ Rotation (CP)	Total Credits (C)	Lecture (L)	Tutorial (T)	Practical (P)	Clinical Posing/ Rotation (CP)	Total (hrs.)	Internal Asseme nt (IA)	Semeste r End Exam (SEE)	Total
Theory														
BPA 101 L	Human Anatomy Part I	2	-	-	-	2	30	-	-	-	30	10	40	50
BPA 102 L	Human Physiology Part I	2	-	-	-	2	30	-	-	-	30	10	40	50
BPA 103 L	General Biochemistry & Nutrition	3	-	-	-	3	45	-	-	-	45	10	40	50
BPA 104 L	Introduction to National Health Care System (Multidisciplinary/ Interdisciplinary)	2	-	-	-	2	30	-	-	-	30	10	40	50
BPA 101 P	Human Anatomy Part I	-	-	1	-	-	-	-	15	-	15	-	-	-
BPA 102 P	Human Physiology Part I	-	-	1	-	-	-	-	15	-	15	-	-	-
BPA 103 P	General Biochemistry Nutrition	-	-	1	-	-	-	-	15	-	15	-	-	-
BPA 105 P	Community Engagement & Clinical Visit (Including related practicals to the Parent course)	-	-	-	24	8	-	-	-	360	360	-	50	50
Ability Enhancement Course														
AEC 001 L	English & Communication skills	4	-	-	-	4	60	-	-	-	60	10	40	50
AEC 002 L	Envionronmental Sciences	4	-	-	-	4	60	-	-	-	60	10	40	50
Total		17	0	3	24	25	255	0	45	360	660	60	290	350

OUTLINE OF COURSE CURRICULUM														
B.Sc. Physician Assistant in Emergency & Trauma Care														
Semester II														
Code No.	Core Course	Credits/Week					Hrs/Semester					Marks		
		Lecture (L)	Tutorial (T)	Practical (P)	Clinical Posing/ Rotation (CP)	Total Credits (C)	Lecture (L)	Tutorial (T)	Practical (P)	Clinical Posing/ Rotation (CP)	Total (hrs.)	Internal Assement (IA)	Semester End Exam (SEE)	Total
Theory														
BPA 106 L	Human Anatomy Part II	2	-	-	-	2	30	-	-	-	30	10	40	50
BPA 107 L	Human Physiology Part II	2	-	-	-	2	30	-	-	-	30	10	40	50
BPA 108 L	General Microbiology	3	-	-	-	3	45	-	-	-	45	10	40	50
BPA 109 L	Basic Pathology & Hematology	4	-	-	-	4	60	-	-	-	60	10	40	50
BPA 110 L	Introduction to Quality and Patient safety (Multidisciplinary/Interdisciplinary)	3	-	-	-	3	45	-	-	-	45	10	40	50
Practical														
BPA 106 P	Human Anatomy Part II	-	-	1	-	-	-	-	15	-	15	-	-	-
BPA 107 P	Human Physiology Part II	-	-	1	-	-	-	-	15	-	15	-	-	-
BPA 108 P	General Microbiology	-	-	1	-	-	-	-	15	-	15	-	-	-
BPA 109 P	Basic Pathology & Hematology	-	-	1	-	-	-	-	15	-	15	-	-	-
BPA 111 P	Community Engagement & Clinical Visit (Including related practicals to the Parent course)	-	-	-	24	8	-	-	-	360	360	-	50	50
Skill Enhancement Elective Course														
SEC 001 L	Medical Bioethics & IPR	3	-	-	-	3	45	-	-	-	45	10	40	50
SEC 002 L	Human Rights & Professional Values													
Total		17	0	4	24	25	255	0	60	360	675	60	290	350

OUTLINE OF COURSE CURRICULUM**B.Sc. Physician Assistant in Emergency & Trauma Care****Semester III**

Code No.	Core Course	Credits/Week					Hrs/Semester					Marks		
		Lecture (L)	Tutorial (T)	Practical (P)	Clinical Posing/ Rotation (CP)	Total Credits (C)	Lecture (L)	Tutorial (T)	Practical (P)	Clinical Posing/ Rotation (CP)	Total (hrs.)	Internal Assement (IA)	Semester End Exam (SEE)	Total
Theory														
BPA 112 L	General Pharmacology	2	-	-	-	2	30	-	-	-	30	20	80	100
BPA 113 L	Clinical Microbiology	2	-	-	-	2	30	-	-	-	30	20	80	100
BPA 114 L	Obstetrics and Gynaecology	3	-	-	-	3	45	-	-	-	45	20	80	100
BPA 115 L	Clinical Medicine - I	3	-	-		3	45	-	-	-	45	20	80	100
BPA 116 CP	PA Directed Clinical Education - I	-	-	-	21	7	-	-	-	315	315	-	50	50
Practicals														
BPA 113 P	Clinical Microbiology	-	-	2	-	1	-	-	30	-	30	10	40	50
BPA 114 P	Obstetrics and Gynaecology	-	-	2	-	1	-	-	30	-	30	10	40	50
BPA 115 P	Clinical Medicine - I	-	-	2	-	1	-	-	30	-	30	10	40	50
Generic Elective Course														
GEC 001 L	Pursuit of Inner Self Excellence (POIS)	3	-	-	-	3	45	-	-	-	45	10	40	50
GEC 002 L	Organisational Behaviour													
Total		13	0	6	21	23	195	0	90	315	600	120	530	650

OUTLINE OF COURSE CURRICULUM**B.Sc. Physician Assistant in Emergency & Trauma Care****Semester IV**

Code No.	Core Course	Credits/Week					Hrs/Semester					Marks		
		Lecture (L)	Tutorial (T)	Practical (P)	Clinical Posing/ Rotation (CP)	Total Credits (C)	Lecture (L)	Tutorial (T)	Practical (P)	Clinical Posing/ Rotation (CP)	Total (hrs.)	Internal Assement (IA)	Semester End Exam (SEE)	Total
Theory														
BPA 117 L	General Surgery and Trauma	3	-	-	-	3	45	-	-	-	45	20	80	100
BPA 118 L	Anaesthesiology	2	-	-	-	2	30	-	-	-	30	20	80	100
BPA 119 L	Paediatrics and Geriatrics	2	-	-	-	2	30	-	-	-	30	20	80	100
BPA 120 L	Clinical Medicine - II	2	-	-	-	2	30	-	-	-	30	20	80	100
BPA 121 CP	PA Directed Clinical Education - II	-	-	-	21	7	-	-	-	315	315	-	50	50
Practicals														
BPA 117 P	General Surgery and Trauma	-	-	2	-	1	-	-	30	-	30	10	40	50
BPA 118 P	Anaesthesiology	-	-	2	-	1	-	-	30	-	30	10	40	50
BPA 119 P	Paediatrics and Geriatrics	-	-	2	-	1	-	-	30	-	30	10	40	50
BPA 120 P	Clinical Medicine - II	-	-	2	-	1	-	-	30	-	30	10	40	50
Ability Enhancement Elective Course														
AEC 003 L	Computer and Applications	3	-	-	-	3	45	-	-	-	45	10	40	50
AEC 004 L	Good clinical Laboratory Practice and Research skills													
Total		12	0	8	21	23	180	0	120	315	615	130	570	700

OUTLINE OF COURSE CURRICULUM**B.Sc. Physician Assistant in Emergency & Trauma Care**

Semester V														
Code No.	Core Course	Credits/Week					Hrs/Semester					Marks		
		Lecture (L)	Tutorial (T)	Practical (P)	Clinical Posing/Rotation (CP)	Total Credits (C)	Lecture (L)	Tutorial (T)	Practical (P)	Clinical Posing/Rotation (CP)	Total (hrs.)	Internal Assessment (IA)	Semester End Exam (SEE)	Total
Theory														
BPA 122 L	Cardiology	3	-	-	-	3	45	-	-	-	45	20	80	100
BPA 123 L	Nephrology	2	-	-	-	2	30	-	-	-	30	20	80	100
BPA 124 L	Pulmonology	2	-	-	-	2	30	-	-		30	20	80	100
BPA 125 CP	PA Directed Clinical Education III	-	-	-	24	8	-	-	-	360	360	-	50	50
Practical														
BPA 122 P	Cardiology	-	-	2	-	1	-	-	30	-	30	10	40	50
BPA 123 P	Nephrology	-	-	2	-	1	-	-	30	-	30	10	40	50
BPA 124 P	Pulmonology	-	-	2	-	1	-	-	30	-	30	10	40	50
Discipline Specific Elective														
DSE 001 L	Basics of Clinical Skill Learning	3	-	-	-	3	45	-	-	-	45	10	40	50
DSE 002 L	Hospital Operation Management													
Total		10	0	6	24	21	150	0	90	360	600	100	450	550

OUTLINE OF COURSE CURRICULUM**B.Sc. Physician Assistant in Emergency & Trauma Care**

Semester VI														
Code No.	Core Course	Credits/Week					Hrs/Semester					Marks		
		Lecture (L)	Tutorial (T)	Practical (P)	Clinical Posing/ Rotation (CP)	Total Credits (C)	Lecture (L)	Tutorial (T)	Practical (P)	Clinical Posing/ Rotation (CP)	Total (hrs.)	Internal Assement (IA)	Semester End Exam (SEE)	Total
Theory														
BPA 126 L	Neurology	3	-	-	-	3	45	-	-	-	45	20	80	100
BPA 127 L	Orthopedics	2	-	-	-	2	30	-	-	-	30	20	80	100
BPA 128 L	Emergency Medicine	3	-	-	-	3	45	-	-	-	45	20	80	100
BPA 129 CP	PA Directed Clinical Education IV	-	-	-	27	9	-	-	-	405	405	-	50	50
Practical														
BPA 126 P	Neurology	-	-	2	-	1	-	-	30	-	30	10	40	50
BPA 127 P	Orthopedics	-	-	2	-	1	-	-	30	-	30	10	40	50
BPA 128 P	Emergency Medicine	-	-	2	-	1	-	-	30	-	30	10	40	50
Total		8	0	6	27	20	120	0	90	405	615	90	410	500

OUTLINE OF COURSE CURRICULUM**B.Sc. Physician Assistant in Emergency & Trauma Care****Semester VII & VIII**

Code No.	Core Course	Credits		Marks							
		Clinical Posing/ Rotation (CP)	Total Credits (C)	Internal Assessment (IA)	Semester End Exam (SEE)	Total					
BPA 130	B.Sc. PA Internship (Semester VII)	20	20	20	80	100					
BPA 131	B.Sc. PA Internship (Semester VIII)	20	20	20	80	100					

Internship is for 12 months (July-December; January-June) after deducting for national holidays/Sick Holidays/ sundays + Examination), (6 days/ week ;8 Hours/day). Minimum of 21 weeks/semester. Students are encouraged to involve in community outreach activities as part of their clinical postings without absenting himself/herself for the other regular classes. During Internship a candidate must have 100% attendance before the award of the degree. NOC from the Dean/Director, MGMSBS to be made mandatory while applying for Convocation Degree.

Internal Assessment Exam Pattern (IA) for Semester VII & VIII (Internship Program)		Scheme of University Semester End Examination (SEE) for Semester VII & VIII (Internship Program)			Attendance (10 marks) of the student. It was decided that weightage be given to attendance as per following scheme	
Internal exam pattern: Total 20 marks with following breakup		Practical exam pattern: Total 80 marks with following breakup			Attendance Percentage	Marks
Description	Marks	Exercise	Description	Marks	< 75	Zero
Internal exam (at department)	10 marks	Q No 1	Case Study	2 x15=30 M	75	5
Viva	5 marks	Q No 2	Station exercise	3 x 5=15 M	76-80	6
Log Book	5 marks	Q No 3	VIVA	15 M	81-85	7
Total = 20 Marks		QNo 4	Log Book	10 M	86-90	8
		QNo 5	Attendance	10 M	91-95	9
		Total = 80 Marks			96-100	10



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