



**Brainware University**  
**School of Medical and Allied Health Sciences**  
**Department of Allied Health Sciences**  
**Bachelor of Science in Physician Assistant (B.Sc PA)**  
**(As per CBCS Template)**

**Semester-I**

Course Code	Course Name	L - T - P	Credits	Total Marks
HU101	English Communication	3-0-0	3	100
HU191	English Communication - Practical	0-0-2	1	100
BPA101	Human Anatomy	4-0-0	4	100
BPA191	Human Anatomy – Practical	0-0-4	2	100
BPA102	Human Physiology	4-0-0	4	100
BPA192	Human Physiology – Practical	0-0-4	2	100
GE**	Generic Elective-1 (Any one from the List of Generic Elective / Interdisciplinary Courses from other Subjects)	4-0-0/ 5-0-0	4/5	200/100
GE**	Generic Elective -1 (Practical/Tutorial)	0-0-4/ 0-1-0	2/1	
<b>TOTAL</b>			<b>22</b>	<b>800/700</b>

**Semester-II**

Course Code	Course Name	L - T - P	Credits	Total Marks
EVS201	Environmental Science	3-1-0	4	100
BPA201	Biochemistry and Hematology	4-0-0	4	100
BPA202	Microbiology and Pathology	4-0-0	4	100
BPA203	Pharmacology	4-0-0	4	100
BPA204	Clinical Psychology	4-0-0	4	100
BPA205	Health Care	4-0-0	4	100
GE**	Generic Elective-2 (Any one from the List of Generic Elective / Interdisciplinary Courses from other Subjects)	4-0-0/ 5-0-0	4/5	200/100
GE**	Generic Elective -2 (Practical/Tutorial)	0-0-4/ 0-1-0	2/1	
<b>TOTAL</b>			<b>30</b>	<b>800/700</b>



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**Semester-III**

Course Code	Course Name	L - T - P	Credits	Total Marks
BPA301	Basic Nursing	4-0-0	4	100
BPA391	Basic Nursing- Practical	0-0-4	2	100
BPA302	Laboratory Science	4-0-0	4	100
BPA392	Laboratory Science- Practical	0-0-4	2	100
BPA303	Basic Anaesthesia	4-0-0	4	100
BPA304	Basic Surgery	4-0-0	4	100
BPA305	Obstetrics and Gynaecology	4-0-0	4	100
BPA381	Clinical Observation	0-0-0	0	0
GE**	Generic Elective-3 (Any one from the List of Generic Elective / Interdisciplinary Courses from other Subjects)	4-0-0/ 5-0-0	4/5	200/100
GE**	Generic Elective -3 (Practical/Tutorial)	0-0-4/ 0-1-0	2/1	
<b>TOTAL</b>			<b>30</b>	<b>900/800</b>

**Semester-IV**

Course Code	Course Name	L - T - P	Credits	Total Marks
BPA401	Pediatrics	4-0-0	4	100
BPA402	Geriatric	4-0-0	4	100
BPA403	Cardiology & Cardiac Surgical Disorders	4-0-0	4	100
BPA404	Electrocardiography and Echocardiography	4-0-0	4	100
BPA494	Electrocardiography and Echocardiography- Practical	0-0-4	2	100
BPA405	Fundamental of Radiology and Imaging Technology	4-0-0	4	100
BPA406	Ophthalmology	4-0-0	4	100
BPA407	ENT	4-0-0	4	100
BPA481	Clinical Observation	0-0-0	0	0
GE**	Generic Elective-4 (Any one from the List of Generic Elective / Interdisciplinary Courses from other Subjects)	4-0-0/ 5-0-0	4/5	200/100
GE**	Generic Elective -4 (Practical/Tutorial)	0-0-4/ 0-1-0	2/1	
<b>TOTAL</b>			<b>36</b>	<b>1000/900</b>



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**Semester-V**

<b>Course Code</b>	<b>Course Name</b>	<b>L - T - P</b>	<b>Credits</b>	<b>Total Marks</b>
BPA501	Neurology	4-0-0	4	100
BPA502	Pulmonology	4-0-0	4	100
BPA503	Gastroeneterology	4-0-0	4	100
BPA504	Nephrology	4-0-0	4	100
BPA505	Orthopedics	4-0-0	4	100
BPA506	Dermatology	4-0-0	4	100
BPA507	Basic Intensive care	4-0-0	4	100
BPA581	Clinical Observation	0-0-0	0	0
<b>TOTAL</b>			<b>28</b>	<b>700</b>

**Semester-VI**

<b>Course Code</b>	<b>Course Name</b>	<b>L - T - P</b>	<b>Credits</b>	<b>Total Marks</b>
BPA601	Perfusion Technology	4-0-0	4	100
BPA602	Medical Ethics	4-0-0	4	100
BPA603	Community Health	4-0-0	4	100
BPA604	Hospital Organization and Administration	4-0-0	4	100
BPA605	Biostatistics and Research Methodology	3-1-0	4	100
BPA606	Patient Safety and Quality Management	4-0-0	4	100
BPA681	Clinical Observation	0-0-0	0	0
<b>TOTAL</b>			<b>24</b>	<b>600</b>

**Semester-VII**

<b>Course Code</b>	<b>Course Name</b>	<b>L - T - P</b>	<b>Credits</b>
BPA781	Internship (6 months)	6 months (20 weeks)	12



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**Semester-VIII**

Course Code	Course Name	L - T - P	Credits
BPA881	Internship (6 months)	6 months (20 weeks)	12

**Total Credit: 194**

**Assessment:**

Presentation	60
Log book + Report	100
VIVA	40

**Value Added Courses**

Immuno techniques in diagnosis of diseases	Emergency medicine
Dental Radiography	Difficult airway intubation
Pulmonary Function Testing	Radio diagnosis
Telemedicine	Pulmonary Medicine
Hands on training in Continuous ambulatory peritoneal dialysis	Cardio Thoracic Vascular Surgery
Renal Transplant	Intra-Aortic Balloon pump
Ventilator management	Health system management studies
Coronary angiography	Polysomnography