

**VINAYAKA MISSION'S RESEARCH FOUNDATION****FACULTY OF ALLIED HEALTH SCIENCES****CBCS PATTERN AND SYLLABUS CURRICULUM****B.Sc., PERFUSION TECHNOLOGY****For the students admitted from the academic year 2022– 2023 batch and onwards**

S.NO	COURSE CODE	COURSE TITLE	L	T	P / CR	C	HRS
<b>SEMESTER – I THEORY</b>							
1.	BPTAEC01	General Psychology	2	0	0	2	30
2.	BPTSEC01	To be chosen by students	2	0	0	2	30
3.	BPTCT01	General Anatomy	4	0	0	4	60
4.	BPTCT02	General Physiology	4	0	0	4	60
5.	BPTCT03	General Biochemistry	4	0	0	4	60
<b>PRACTICAL</b>							
1.	BPTCL01	General Anatomy	0	0	1	1	30
2.	BPTCL02	General Physiology	0	0	1.5	1.5	45
3.	BPTCL03	General Biochemistry	0	0	1.5	1.5	45
<b>SEMESTER – II THEORY</b>							
1.	BPTAEC02	Basic Food and Nutrition	2	0	0	2	30
2.	BPTSEC02	To be chosen by students	2	0	0	2	30
3.	BPTCT04	General Microbiology	4	0	0	4	60
4.	BPTCT05	General Pathology	4	0	0	4	60
5.	BPTCT06	General Pharmacology	4	0	0	4	60
<b>PRACTICAL</b>							
1.	BPTCL04	General Microbiology	0	0	1.5	1.5	45
2.	BPTCL05	General Pathology	0	0	1.5	1.5	45
3.	BPTCL06	General Pharmacology	0	0	1	1	30
<b>SEMESTER – III THEORY</b>							
1.	BPTAEC03	Environmental Sciences	2	0	0	2	30
2.	BPTSEC03	To be chosen by students	2	0	0	2	30
3.	BPTCT07	Applied pathology and microbiology	4	0	0	4	60
4.	BPTCT08	Medicine relevant to perfusion technology	4	0	0	4	60
5.	BPTCT09	Introduction to Perfusion Technology	4	0	0	4	60
6.	BPTCT10	Applied Pharmacology	3	0	0	3	45

<b>PRACTICAL</b>							
1.	BPTCL07	Applied pathology and Microbiology	0	0	1	1	30
2.	BPTCL08	Medicine relevant to perfusion technology	0	0	1.5	1.5	45
3.	BPTCL09	Introduction to Perfusion Technology	0	0	1.5	1.5	45
4.	BPTCL10	Applied Pharmacology	0	0	1	1	30
<b>SEMESTER – IV THEORY</b>							
1.	BPTSEC04	To be chosen by students	2	0	0	2	30
2.	BPTCT11	Patient care and basic nursing	4	0	0	4	60
3.	BPTCT12	Basics of pumps, Oxygenators, Alters and Blood Components	4	0	0	4	60
4.	BPTCT13	Drugs used in Cardio Pulmonary Bypass	4	0	0	4	60
<b>PRACTICAL</b>							
1.	BPTCL11	Basics of pumps, Oxygenators, Alters and Blood Components	0	0	2	2	60
2.	BPTCR01	Clinical Rotation	0	0	8	8	240
<b>SEMESTER –V THEORY</b>							
1.	BPTSEC05	To be chosen by students	2	0	0	2	30
2.	BPTDSE01	Introduction to Surgery and CSSD	4	0	0	4	60
3.	BPTDSE02	Perfusion Technology - Clinical	4	0	0	4	60
4.	BPTDSE03	Perfusion Technology - Applied	4	0	0	4	60
<b>PRACTICAL</b>							
1.	BPTCR02	Clinical Rotation	0	0	8	8	240
<b>SEMESTER – VI THEORY</b>							
1.	BPTSEC 06	To be chosen by students	2	0	0	2	30
2.	BPTDSE04	Perfusion Technology – Advanced I	4	0	0	4	60
3.	BPTDSE05	Perfusion Technology – Advanced II	4	0	0	4	60
4.	BPTDSE06	Special situation in Perfusion Technology	4	0	0	4	60
<b>PRACTICAL</b>							
1.	BPTCR03	Clinical Rotation	0	0	8	8	240

**SEMESTER-VII AND VIII  
INTERNSHIP**

1.	BPTIN01	Internship	0	0	20	20	600
2.	BPTPRO01	Dissertation and Viva voce	0	0	6	6	180