

B.Sc Cardiac Technology

For the students admitted from the academic year 2019 – 2020 batch and onwards

S.NO	COURSE CODE	COURSE TITLE	L	T	P / CR	C	HRS
SEMESTER – I THEORY							
1.	BCTAEC01	General Psychology	2	0	0	2	30
2.	BCTSEC01	To be chosen by student	2	0	0	2	30
3.	BCTCT01	Anatomy	4	0	0	4	60
4.	BCTCT02	Physiology	4	0	0	4	60
5.	BCTCT03	Biochemistry	4	0	0	4	60
PRACTICAL							
1.	BCTCL01	Anatomy	0	0	1	1	30
2.	BCTCL02	Physiology	0	0	1.5	1.5	45
3.	BCTCL03	Biochemistry	0	0	1.5	1.5	45
SEMESTER – II THEORY							
1.	BCTAEC02	Basic Food & Nutrition	2	0	0	2	30
2.	BCTSEC02	To be chosen by student	2	0	0	2	30
3.	BCTCT04	Microbiology	4	0	0	4	60
4.	BCTCT05	Pathology	4	0	0	4	60
5.	BCTCT06	Pharmacology	4	0	0	4	60
PRACTICAL							
1.	BCTCL04	Microbiology	0	0	1.5	1.5	45
2.	BCTCL05	Pathology	0	0	1.5	1.5	45
3.	BCTCL06	Pharmacology	0	0	1	1	30
SEMESTER – III THEORY							
1.	BCTAEC03	Environmental Science	2	0	0	2	60
2.	BCTSEC03	To be chosen by student	2	0	0	2	60
3.	BCTCT07	Applied pathology	4	0	0	4	60
4.	BCTCT08	Medicine Relevant To Cardiac Care Technology	4	0	0	4	60
5.	BCTCT09	Introduction to cardiac Technology	4	0	0	4	60
PRACTICAL							
1.	BCTCL07	Applied pathology	0	0	2	2	30
3.	BCTCL08	Medicine Relevant To Cardiac Care	0	0	2	2	60

		Technology					
2.	BCTCR09	Introduction to cardiac Technology	0	0	2	2	45
SEMESTER – IV							
THEORY							
1.	BCTSEC04	To be chosen by student	2	0	0	2	30
2.	BCTCT10	Patient care and Basic nursing	4	0	0	4	60
3.	BCTCT11	Coronary Angiography	4	0	0	4	60
4.	BCTCT12	Basic Intensive Care	4	0	0	4	60
PRACTICAL							
1.	BCTCR10	Clinical Rotation -Patient care of nursing	0	0	2	2	60
2.	BCTCR11	Clinical Rotation- Coronary Angiography Basic Intensive Care	0	0	8	8	240
SEMESTER –V							
THEORY							
1.	BCTSEC05	To be chosen by student	2	0	0	2	30
2.	BCTDSE01	Echocardiography	4	0	0	4	60
3.	BCTDSE02	Cardiac evaluation and therapies (part I)	4	0	0	4	60
4.	BCTDSE03	Cardiac Catheterization laboratory	4	0	0	4	60
PRACTICAL							
1.	BCTCR01	Clinical Training- Echocardiography	0	0	2	2	60
2.	BCTCR02	Clinical Training-Cardiac evaluation and therapies (part-I)	0	0	3	3	90
3.	BCTCR03	Clinical Training-Cardiac Catheterization laboratory	0	0	3	3	90
SEMESTER – VI							
THEORY							
1.	BCTSEC06	To be chosen by student	2	0	0	2	30
2.	BCTDSE04	Cardiac evaluation and therapies (part II)	4	0	0	4	60
3.	BCTDSE05	Advanced Electrocardiography (ECG)	4	0	0	4	60
4.	BCTDSE06	Cardiac care Technology –Clinical & Applied	4	0	0	4	60
PRACTICAL							
1.	BCTCR04	Clinical training- Cardiac evaluation and therapies (part II)	0	0	8	8	240
2.	BCTCR05	Clinical training- Advanced Electrocardiography (ECG)					
3.	BCTCR06	Clinical training- Cardiac care Technology – Clinical & Applied					