



JOY UNIVERSITY

semper paratus

School of Life & Health Sciences

Department of Allied Health Sciences

M. Sc Cardiac Perfusion Technology – I Semester

Sl.No	Course Code	Course Title	L	T	P	Contact Hrs / Wk	Credits
1.	MSCT 101	Anatomy and Physiology	3	1	4	8	6
2.	MSCT 102	Pharmacology and Biochemistry	3	1	4	8	6
3.	MSCT 103	Microbiology and Pathology	3	1	4	8	6
4.	MSCT 104	General Principles of Hospital Practices	3	0	0	3	3
5.	MSCT 105	Seminar/Presentation/Journal Club	0	0	2	2	1
		TOTAL					22

M. Sc Cardiac Perfusion Technology – II Semester

Sl.No	Course Code	Course Title	L	T	P	Contact Hrs / Wk	Credits
1.	MSCT 201	Cardiology	3	1	4	8	6
2.	MSCT 202	Introduction to Perfusion Technology	3	1	4	8	6
3.	MSCT 203	Pharmacology of Cardio Vascular Drugs	3	1	4	8	6
4.	MSCT 204	Research Methodology & Biostatistics	3	0	0	3	3
5.	MSCT 205	Visit to Medical Research Institution/ Clinical Laboratory/Hospital Postings	0	4	0	4	2
		TOTAL					23

M. Sc Cardiac Perfusion Technology – III Semester

Sl.No	Course Code	Course Title	L	T	P	Contact Hrs / Wk	Credits
1.	MSCT 301	Cardiac Surgery	3	1	4	8	6
2.	MSCT 302	Physiology and Principles of Perfusion	3	1	4	8	6
3.	MSCT 303	Organ Transplantation	3	1	0	4	4
4.	MSCT 304	Hematology as relevant to Perfusion, Blood Transfusion and Blood Conservation	3	0	2	3	3
5.	MSCT 305	Clinical Posting -II	0	4	0	4	2
		TOTAL					21

M. Sc Cardiac Perfusion Technology – IV Semester

Sl.No	Course Code	Course Title	L	T	P	Contact Hrs / Wk	Credits
1.	MSCT 401	Clinical applications of Perfusion Technology	3	1	2	6	5
2.	MSCT 402	Mechanical Circulatory Support Devices	3	1	2	6	5
3.	MSCT 403	Cardiac Life Support	2	0	0	2	2
4.	MSCT 404	Trauma Life Support	2	0	0	2	2
5.	MSCT 405	Clinical Posting-III	0	4	0	7	2
5	MSCT 406	Dissertation and viva voce	0	0	6	6	6
		TOTAL					22