

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

(MCH 0822)

AUGUST 2022

Sub. Code: 1504

M.Ch. – CARDIO VASCULAR AND THORACIC SURGERY

Paper IV – RECENT ADVANCES IN THORACIC AND CARDIO VASCULAR SURGERY

Q.P. Code: 181504

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Write in detail on indications, selection criteria and procedure for paediatric cardiac transplantation and write about prevention of graft rejection.
2. Write in detail on mechanical complications of coronary artery disease and management of Left Ventricular aneurysm.

II. Write notes on:

(10 x 7 = 70)

1. Bovine pericardial valves.
2. Prosthetic patches used in cardiac surgery.
3. Mitral and tricuspid valve rings.
4. Ventricular Assist Devices.
5. Myocardial perfusion imaging.
6. Walton Lillehi.
7. Mitraclip.
8. Role of Extra Corporial Membrane Oxygenator (ECMO) in COVID patients.
9. Endo bronchial valves.
10. Tunneled pleural catheters.
