

Sree Chitra Tirunal Institute of Medical Sciences

Thiruvananthapuram Dec 2011

DM CARDIAC ANAESTHESIA Part II Paper I Maximum Marks 100 Time 3 hours

Q 1. Describe the anaesthetic management of a patient with mitral stenosis in the 3rd trimester of pregnancy scheduled for mitral valve replacement. (20 marks)

Q2. Describe the haemodynamics and characteristics of different methods of extracorporeal life support systems (20 marks)

Q3. Discuss the modalities, advantages and disadvantages of CNS monitoring during cardiac surgery. (20 marks)

Q4. Write short notes on : (10 marks)

- a) Endothelin receptors
- b) Alpha 2 agonists
- c) Real time 3D echocardiography
- d) Determinants of coronary blood flow