

**Sree Chitra Tirunal Institute for Medical Sciences & Technology DM Cardiac-
Anaesthesiology**

Part I

Paper 1

July 2010

Max.Marks 100

Time 3 hrs.

Questions:-

1. Write a note on history of cardiac- anaesthesia 'early cardiac-surgery using cardio-pulmonary bypass'.
2. Explain diastology. What are its anaesthesia concerns?
3. Explain physiological mediators of inflammation.
4. Mention arterial cannulation sites for haemodynamic monitoring. Write the specific indications contraindications and significance of these sites in various surgical situations.
5. Write a note on Dexmedetomidine.
6. Explain pathogenesis of coronary artery spasm.
7. Describe lung isolation techniques.
8. Write a note on pulmonary vascular tone. How does PVR and PAP respond to different stimuli?
9. Explain myocardial protection strategies during off pump revascularization (OPCABG).
- 10.. Write a note on Endothelium derived relaxing and contracting factors.