

Sree Chitra Tirunal Institute for Medical Sciences & Technology

DM - CARDIAC ANAESTHESIOLOGY

December 2008

PART-I

(PAPER – I)

Time : 3 hrs.

Max.Marks : 100

SHORT ESSAYS:

1. Discuss Neural and Hormonal Control of smooth muscle contraction.
2. Discuss active transport across the cell membrane.
3. Discuss the mechanism of impulse generation and its conductance throughout the heart.
4. Discuss the dynamics of the circulation in cardiac failure.
5. Discuss the Neuro-endocrine response to CPB.
6. Endothelium.
7. Discuss in brief the concept of different circulatory assist devices.
8. Describe the anatomy of the coronary circulation along with various angiographic views.
9. Discuss various cardiac performance indicator.
