

Rajiv Gandhi University of Health Sciences

D.M Degree Examination – JULY-2019

Time: Three Hours**Max. Marks: 100 Marks****Cardiac Anaesthesia - PAPER – I****QP Code: 9196**

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary. Answer all questions

LONG ESSAY (These questions carry 10 marks each)**10 X 10 = 100 Marks**

1. Describe neuro-endocrine response to cardiopulmonary bypass.
2. How is left ventricular pressure volume loop derived? What is the clinical significance of end-diastolic pressure volume relationship?
3. What are the changes in HCM? What is mechanism of myocardial ischemia in these patients?
4. What are the side effects of heparin therapy? Describe the management of complications of heparin complications.
5. Various modalities of neurological monitoring in patients undergoing CPB.
6. Serum markers of myocardial injury.
7. Endothelium
8. Thrombelastography and its modifications
9. Systemic inflammatory response during and after CPB
10. Livosimendan versus phosphodiesterase III inhibitors.

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