

Rajiv Gandhi University of Health Sciences**M.Ch Degree Examination - JULY 2016**

[Time: 3 Hours]

[Max. Marks: 100]

CARDIOTHORACIC SURGERY**PAPER – I****Q.P. CODE: 9101**

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY**10X10 = 100 Marks**

1. Discuss the surgical anatomy of the cardiac conduction system.
2. Discuss the pathophysiology of haemorrhagic shock.
3. Compare and contrast antegrade and retrograde cardioplegia.
4. Discuss the enzymatic changes that occur after myocardial infarction and its relevance in diagnosing perioperative myocardial infarction.
5. Draw a neat labelled diagram of the interatrial septum and discuss its relevance in cardiac surgery.
6. Discuss the pharmacology of various cardioplegic additives.
7. Z values and its application in cardiac surgery.
8. Pathology of Infective endocarditis.
9. Discuss the hemodynamic changes that occur in mitral stenosis.
10. Sequential segmental analysis of the heart.

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