

Rajiv Gandhi University of Health Sciences, Karnataka  
Post Graduate Degree Examination – JUNE 2016

Time: Three Hours

Max. Marks: 100 Marks

**MD ANAESTHESIOLOGY**

**PAPER – I (Revised Scheme)**

**Q.P. CODE: 7291**

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

**LONG ESSAYS**

**2 x 20 = 40 Marks**

1. Describe the physiologic mechanism of haemostasis. What are the anaesthetic implications of perioperative use of clopidogrel?
2. What is train of four stimulation? How do you interpret the findings of train of four stimulation? What are the clinical tests of postoperative neuromuscular recovery?

**SHORT ESSAYS**

**6 x 10 = 60 Marks**

3. Intraoperative hypothermia
4. Functional residual capacity and closing volume
5. Formation and circulation of cerebrospinal fluid
6. Effect of Ketamine on cardiovascular, central nervous and respiratory systems
7. Management of hyperkalemia
8. James Young Simpson's contribution to anaesthesia

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**MD ANAESTHESIOLOGY**

**PAPER – II (Revised Scheme)**

**Q.P. CODE: 7292**

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

**LONG ESSAYS**

**2 x 20 = 40 Marks**

1. A 6-year-old child is scheduled correction of lumbar scoliosis. Discuss the perioperative anaesthetic concerns, management plan and postoperative pain management plan for the same. (20 marks)
2. Discuss the perioperative anaesthetic concerns, management options and your plan for management of a patient having rheumatic heart disease with a mitral stenosis with valve area  $1.0 \text{ cm}^2$  in atrial fibrillation scheduled for mitral valve replacement surgery. Add a note on anaesthetic implications related to atrial fibrillation. (20 marks)

**SHORT ESSAYS**

**6 x 10 = 60 Marks**

3. A patient on low molecular weight heparin is scheduled for patellar repair under epidural anaesthesia. Discuss the implications, concerns and management plan as per the recent guidelines.
4. Anaesthetic management of a patient scheduled for coronary angioplasty.
5. Lung isolation techniques.
6. Anaesthetic management of vitreo-retinal surgery.
7. the anaesthetic management options available for cervical encirclage.
8. Discuss the various cerebral protective measures available for a patient with traumatic brain injury.

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# Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – JULY 2016

Time: Three Hours

Max. Marks: 100 Marks

## MD ANAESTHESIOLOGY

PAPER – III (Revised Scheme)

Q.P. CODE: 7293

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

### LONG ESSAYS

2 x 20 = 40 Marks

1. Write briefly the anesthetic management of one - day old child posted for TOF repair.
2. Discuss pre-op preparation and anaesthesia for renal recipient.

### SHORT ESSAYS

6 x 10 = 60 Marks

3. Anticoagulants and regional anaesthesia
4. Epidural anaesthesia
5. Thyroid storm
6. Anaesthetic management of a 70 yrs old with Carcinoma Larynx posted for total laryngectomy
7. Hepatorenal syndrome
8. Transoesophageal echocardiography

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Post Graduate Degree Examination – JULY 2016

**Time: Three Hours**

**Max. Marks: 100 Marks**

**MD ANAESTHESIOLOGY**

**PAPER – IV (Revised Scheme)**

**Q.P. CODE: 7294**

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

**LONG ESSAYS**

**2 x 20 = 40 Marks**

1. Discuss limitations and hazards of MRI suite. Describe anaesthetic management of a 6 month, old child with hydrocephalus scheduled for MRI brain.
2. Write briefly about labour analgesia.

**SHORT ESSAYS**

**6 x 10 = 60 Marks**

3. Awareness and anaesthesia
4. Delayed recovery
5. Non-invasive ventilation
6. Clonidine in anaesthesia and intensive care unit
7. Resuscitation of term pregnant patients
8. Pulse – oximetry – principles and applications

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