Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – September 2007

[Time: 3 Hours] [Max. Marks: 100]

ANAESTHESIOLOGY

PAPER I
(Revised Scheme)

QP Code : 7291

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

LONG ESSAY **2 X 20 = 40 Marks**

1. Discuss pathogenesis, clinical features and management of Mendelson syndrome.
2. Describe in detail with suitable diagrams - Innervation of foot and its blockade.

SHORT ESSAY **6 X 10 = 60 Marks**

3. Nitric oxide
4. Newer inhalational anaesthetic agents
5. Gas Laws – applications in anaesthesia
6. Macintosh
7. ECHO Cardiogram
8. Oxygen Flux

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – September 2007

[Time: 3 Hours] [Max. Marks: 100]

ANAESTHESIOLOGY

PAPER II
(Revised Scheme)

QP Code : 7292

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

LONG ESSAY **2 X 20 = 40 Marks**

1. Mention types of anaesthetic techniques for bronchoscopy. Discuss anaesthetic management of a vegetable foreign body in right bronchus of a child of 3 years.
2. What are the physiological changes in pregnancy and their anaesthetic importance?

SHORT ESSAY **6 X 10 = 60 Marks**

3. CIS Atracurium
4. Precutaneous tracheostomy
5. Blind nasal intubation
6. Squint surgery – anaesthesia
7. VAE (venous air embolism)
8. PDPH (post dural puncture headache)

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – September 2007

[Time: 3 Hours] [Max. Marks: 100]

ANAESTHESIOLOGY

PAPER III

(Revised Scheme)

QP Code : 7293

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

LONG ESSAY **2 X 20 = 40 Marks**

1. A post-renal transplant patient is posted for emergency laparatomy. Discuss the anaesthetic management.
2. A neonate with TEF (Tracheo Esophageal Fistula) is posted for correction and repair. How do you conduct anaesthesia?

SHORT ESSAY **6 X 10 = 60 Marks**

3. Hypothyroidism and anaesthetic implications.
4. Blood products – merits and demerits
5. TURP (Trans urethral resection of prostate)
6. Micro surgery of larynx
7. Discharge criteria for outpatient procedures
8. 3-in-1 nerve block

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – September 2007

[Time: 3 Hours] [Max. Marks: 100]

ANAESTHESIOLOGY

PAPER IV
(Revised Scheme)

QP Code : 7294

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

LONG ESSAY **2 X 20 = 40 Marks**

1. Describe in detail about epidural analgesia for painless labour. Mention about recent advances in labour analgesia.
2. Discuss the ICU management of a patient.

SHORT ESSAY **6 X 10 = 60 Marks**

3. Newer modes of ventilation
4. Anaesthesia for electro convulsive therapy
5. Methods of postoperative pain management
6. Total parenteral nutrition
7. Awareness during anaesthesia
8. Barbiturate poisoning

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – April / May 2007

[Time: 3 Hours] [Max. Marks: 100]

ANAESTHESIOLOGY

PAPER I – BASIC SCIENCE in relation to ANAESTHESIA (Old Scheme)

QP Code: 7281

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

LONG ESSAY 2 X 20 = 40 Marks

1. Describe the anatomy of neuromuscular junction and what are the electrical and electrolyte changes occurring during the transmission of an impulse.
2. Define and classify obesity. Describe the problems an anesthetic management of a morbidly obese patient coming for repair of inguinal hernia.

SHORT ESSAY 6 X 10 = 60 Marks

3. Surfactant
4. Oxygen toxicity
5. Endotracheal extubation
6. Mucolytic agents
7. APGAR score
8. Brain death

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Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – April / May 2007

[Time: 3 Hours] [Max. Marks: 100]

ANAESTHESIOLOGY

PAPER II – CLINICAL PRACTICE OF ANAESTHESIA

(Old Scheme)

QP Code: 7282

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 the pathophysiology, clinical features and the treatment of congestive cardiac failure. Briefly mention the problems and anaesthetic management of a patient with congestive cardiac failure posted for emergency below knee amputation.

2. Describe the problems and anaesthetic management of a 30 years old female patient with gestational diabetes coming for emergency caesarian section.

SHORT ESSAYS 6 X 10 = 60 Marks

3. Soda lime

4. Positive end expiratory pressure (PEEP)

5. Sellick's maneuver

6. Swan Ganz catheter

7. Capnography

8. Deliberate hypotension

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Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – April / May 2007

Time: 3 Hours [Max. Marks : 100]

ANAESTHESIOLOGY

PAPER III – CLINICAL PRACTICE OF ANAESTHESIA
(Old Scheme)

QP Code: 7283

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 the preoperative evaluation, preparation and anaesthetic management of a 72-year-old man coming for elective laparotomy.

2. A 2 days old child with imperforate anus is posted for corrective surgery. Describe the pre-anaesthetic evaluation, anaesthetic management and postoperative pain relief in this case.

SHORT ESSAYS 6 X 10 = 60 Marks

3. Patient controlled epidural analgesia

4. TURP syndrome

5. Stellate ganglion block

6. Nitric oxide

7. Adult respiratory distress syndrome

8. APACHE scoring

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Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – April / May 2007

Time: 3 Hours [Max. Marks : 100]

ANAESTHESIOLOGY

PAPER IV
(Old Scheme)

QP Code: 7284

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. Describe the pathophysiology, complications and treatment of a case of acute lung injury.

2. Discuss the preoperative evaluation and anaesthetic management of a patient with myasthenia gravis scheduled to undergo Thymectomy

SHORT ESSAYS 6 X 10 = 60 Marks

3. I.C.U. management of a patient with snake bite

4. Treatment of diabetes ketoacidosis

5. Various types of laryngeal mask airways

6. Complications of laparoscopy

7. Pulse oximetry

8. High frequency ventilation

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – April / May 2007

[Time: 3 Hours] [Max. Marks: 100]

ANAESTHESIOLOGY

PAPER I (Revised Scheme)

QP Code: 7291

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

LONG ESSAY 2 X 20 = 40 Marks

1. Describe the anatomy of a typical intercostals nerve. Describe the local block for lower abdominal surgery.
2. What are the physiological changes that occur during artificial ventilation? Mention different methods of ventilation.

SHORT ESSAY 6 X 10 = 60 Marks

3. Pulmonary function fallowing central neuraxial block
4. Factors influencing tissue oxygenation
5. Operating room pollution
6. Principles of draw over vaporizers
7. Local anaesthetic toxicity
8. Venturi principle

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – April / May 2007

[Time: 3 Hours] [Max. Marks: 100]

ANAESTHESIOLOGY

PAPER II

(Revised Scheme)

QP Code: 7292

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

LONG ESSAY 2 X 20 = 40 Marks

1. Discuss the causes, diagnosis, and management of cardiac dysrythmias during clinical anaesthesia.
2. Discuss the preoperative lung function tests for a case for pneumonectomy.

SHORT ESSAY 6 X 10 = 60 Marks

3. Acid aspiration syndrome
4. Cerebral protection
5. Occulocardiac reflex
6. Walking epidural
7. Status asthmaticus
8. Management of head injury in ICU

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Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – April / May 2007

Time: 3 Hours [Max. Marks : 100]

ANAESTHESIOLOGY

PAPER III
(Revised Scheme)

QP 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. Describe preoperative evaluation and anaesthetic management of a patient with coronary artery disease posted for cholecystectomy.

2. Discuss the clinical and investigative criteria for diagnosis of Brain Death.

SHORT ESSAYS 6 X 10 = 60 Marks

3. Anaesthetic problems in smokers

4. Management of status asthmatics

5. Paravertebral block

6. Methods of attenuation of cardiovascular responses to intubations

7. Hazards of blood transfusion

8. Visual analogue scale

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Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – April / May 2007

Time: 3 Hours [Max. Marks: 100]

ANAESTHESIOLOGY

PAPER IV
(Revised Scheme)

QP 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. What is chronic pain? What modalities of pain relief are utilized for cancer pain?

2. What is ARDS? Briefly mention pathophysiology and discuss the ventilatory strategies.

SHORT ESSAYS 6 X 10 = 60 Marks

3. Steroids in septic shock

4. Clonidine in pain management

5. Perflurocarbons

6. Transfusion triggers

7. Permissive hypercapnia

8. Cardio pulmonary resuscitation – recent views

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