Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – May 2011

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

ANATOMY

GROSS ANATOMY, GENERAL ANATOMY, HISTORY OF ANATOMY

PAPER – I (Revised Scheme)

Q.P. CODE : 7301

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 middle ear cavity and add a note on mechanism of hearing
2. Describe submanidbular salivary gland in detail

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

3. Ureter
4. Tentorium cerebelli
5. Brachial plexus
6. Sympathetic chain
7. Venous drainage of lower limb
8. Sesamoid bone

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination - May 2011

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

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 ESSAY **2 X 20 = 40 Marks**

1. Give an account of endorphins, opioid receptors and their role in post operative pain relief

2. How will you manage a patient with subdural haematoma and increased intracranial tension for emergency Decompression Craniotomy

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

3. Total parenteral Nutrition

4. PACU (Post Anaesthetic Care Unit)

5. Respiratory acidosis

6. Hepato renal syndrome

7. Sedation for patients in Intensive Care Unit (ICU)

8. Brain death and its documentation

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination - May 2011

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

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 ESSAY **2 X 20 = 40 Marks**

1. Discuss the pre anaesthetic evaluation, preparation and anesthetic management of a patient with Thyrotoxicosis complicated by Atrial Fibrillation
2. Discuss in detail the preoperative evaluation, preparation and perioperative management of a 50 year old Insulin dependant diabetic posted for elective Cholecystectomy

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

3. Myasthenic syndrome
4. Autonomic Neuropathy
5. Modified Electro Convulsive therapy
6. Stellate Ganglion Block
7. Awarenes during anaesthesia
8. Post tonsillectomy bleeding

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination - May 2011

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

ANAESTHESIOLOGY

PAPER – II (Revised Scheme)

Q.P. 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. Anaesthetic Management of abdominal aortic aneurysm surgery
2. Anaesthetic management of 4 year old child coming for bronchoscopy for removal of foreign body

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

3. Cerebral protection
4. Mendelsen syndrome
5. Anaeshesia for off pump coronary artery bypass surgery
6. Mandibular nerve block
7. Shunt fraction
8. Intra gastric pressure and importance in anaesthesia

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination - May 2011

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

ANAESTHESIOLOGY

PAPER – I (Revised Scheme)

Q.P. 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 physiology of respiration in relation to anaesthesia different methods
2. Describe the anatomy of epidural space and discuss the identification of the lumbar epidural space

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

3. Crawford W. Long
4. Anticholinesterases
5. Evoked potentials
6. Foetal circulation
7. Flumazenil
8. Cerebral Autoregulation

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – May 2011

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

ANAESTHESIOLOGY

PAPER – IV (Old Scheme)

Q.P. CODE : 7284

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 controversies and changing trends in cardiopulmonary cerebral resuscitation. What are the measures to be taken for brain protection following return of spontaneous circulation after cardiac arrest

2. Discuss the merits and demerits of various weaning options in a patient of long term ventilation in ICU

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

3. Transportation of road traffic accident victims

4. Fluid resuscitation in burns

5. Automated external defibrillator (AED)

6. ARDS

7. IVRA (Bier's block)

8. Heimlich manoeuvre

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – May 2011

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

ANAESTHESIOLOGY

CLINICAL PRACTICE OF ANAESTHESIA

PAPER – III (Old Scheme)

Q.P. CODE: 7283

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 techniques and drugs used for total Intravenous Anaesthesia (TIV A)
2. Discuss the anaesthetic consideration in a patient posted for laparoscopic Cholecystectomy.

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

3. Mendelson's Syndrome
4. Bone cement and Anaesthesia
5. Role of Ultrasound in Regional anaesthesia
6. Coeliac plexus block
7. Cormack and Lehane classification
8. Sleep apnoea syndrome

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – May 2011

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

ANAESTHESIOLOGY

CLINICAL PRACTICE OF ANAESTHESIA

PAPER – II (Old Scheme)

Q.P. CODE: 7282

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 anaesthetic management of a 2 day old Neonate with tracheo esophageal fistula posted for surgery.
2. Discuss the pathophysiology of obesity and its relevance during anaesthetic management

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

3. EMLA cream
4. TURP Syndrome
5. Serum Lactate levels in ICU
6. Acute Normovolemic hemodilution
7. Desflurane
8. Propofol Infusion syndrome

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination - May 2011

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

ANAESTHESIOLOGY

BASIC SCIENCE in relation to ANAESTHESIA

PAPER – I (Old Scheme)

Q.P. 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 Larynx. Describe the effects of injury to recurrent laryngeal nerve with diagrams
2. Classify the various breathing systems used in anaesthesia practice. Discuss the functional analysis of Bain's system

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

3. Nitric oxide
4. Hydroxyethyl starch
5. PIN index system
6. Ropivacaine
7. John Snow
8. Minimum alveolar concentration

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination - Nov 2011

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

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 ESSAY **2 X 20 = 40 Marks**

1. Explain multiorgan dysfunction syndrome
2. Anaesthetic considerations of micro laryngeal laser surgery

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

3. Liquid ventilation
4. Apache II score
5. NMDA – Receptor anatagonists
6. Inverse ratio ventilation
7. Sodium channel blockers
8. Palliative care for cancer patients

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination - Nov 2011

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

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 ESSAY **2 X 20 = 40 Marks**

1. Anaesthetic considerations of Facio maxillary surgery in trauma patient
2. Anaesthetic management of renal transplantation

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

3. Haemoglobin – A
4. Bleeding Tonsil
5. Oxygen cascade
6. Intra Aortic Balloon pump
7. Fresh frozen plasma
8. Pheochromocytoma

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination - Nov 2011

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

ANAESTHESIOLOGY

PAPER – II (Revised Scheme)

Q.P. 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. Describe the anaesthetic management of ischemic Heart disease patient posted for total gastrectomy
2. Describe the anaesthetic management of craniotomy for posterior cranial fossa tumor

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

3. Types of pacemakers
4. PEEP
5. Inter scalene brachial plexus block
6. Aorto – Caval compression
7. Magnesium
8. Bone cement

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination - Nov 2011

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

ANAESTHESIOLOGY

PAPER – I (Revised Scheme)

Q.P. 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 the posterior triangle of the neck. Enumerate the complications that can occur while cannulating the internal jugular vein
2. Discuss the physiological changes in pregnancy and its relevance to the anaesthesioloist

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

3. Hypothermia
4. Transfusion reactions
5. Heart block
6. Oxygen cascade
7. Hydroxy ethyl starch
8. 16th October 1846

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