Rajiv Gandhi University of Health Sciences

M.D. Degree Examination - October 2008

[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 intercostals nerve. Write indication and technique of intercostals nerve block
2. Discuss the factors influencing the normal cardiac output

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

3. Bourdans pressure Gauge
4. John snow
5. Cholinergic crisis
6. Propofol
7. Oxygen dissociation curve
8. Charles law and its application in anaesthesia

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination - October 2008

[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. A primi with rupture uterus. Discuss anaesthetic management
2. Discuss various causes of cardiac arrhythmias during anaesthesia and how do you manage?

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

3. Closing volumes and importance to anaesthetist
4. Monitored anaesthesia care
5. Obesity – Anaesthetic problems
6. Problems of laparoscopic surgery
7. Myocardial protection during bypass
8. Management raised

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination - October 2008

[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 preoperative stabilization and management of diabetic mellitus patient with uncontrolled blood sugars posted for open cholecystectomy

2. Enumerate types of congenital diaphragmatic hernia. Discuss anaesthetic management and post operative care

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

3. Nerve injuries related to positioning

4. Dantrolene sodium

5. Post tonsillectomy bleeding

6. Extrinsic coagulation pathway

7. I C T (Intra Cranial Tension) monitoring

8. Thromboelastogram

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination - October 2008

[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. Discuss the ICU management of a 46 year old patient admitted for acute pancreatitis in shock
2. Describe various methods of assessment of pain, and management of chronic pain in cancer patients

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

3. Critical care of elderly patient
4. Humidification of inspired air
5. Renal regulation of pH
6. Non invasive ventilation
7. Cardiogenic shock
8. Monitoring in day care procedures

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination - October 2008

[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 physiology of neuromuscular transmission. Briefly mention various types of neuro muscular block & factors affecting neuromuscular clockade

2. Describe the formation of lumber plexus. Enumerate three nerves blocked in 'Three in one Block' and describe how you perform this block

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

3. Horace wells

4. 'Fire Traid' and prevention & management of operating room fires

5. Hypoxic pulmonary vasoconstriction

6. Opioid receptors

7. Midazolam

8. Intra operative pulmonary edema

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination - October 2008

[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 preoperative evaluation and anaesthetic management of a 45 year old male patient with bronchial asthma coming for pnemonectomy
2. Enumerate the physiological changes in pregnancy and discuss the problems of anaesthetic management of a case of severe P.I.H (Pregnancy Induced Hypertension) coming for emergency caesarian section

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

3. Cardioversion
4. Bispectral index (IBIS)
5. Oculocardiac Reflex
6. Methods of control raised I.C.P
7. Positioning of the patient under anaesthesia
8. Factors regulating cerebral blood flow

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination - October 2008

[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 the preoperative evaluation, preparation and anaesthetic management of a 2 day old neonate coming for correction of tracheo-oesophageal fistula

2. Describe the problems and anaesthetic management of patient with cirrhosis of liver, coming for elective laparotomy

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

3. Scavenging system in operating rooms

4. Pressure gauge

5. Airway assessment

6. Adult respiratory distress syndrome (ARDS)

7. Oral hypoglycaemic agents

8. Ketamine

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination - October 2008

[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. Describe in detail about various modes of mechanical ventilation. How do you wean a patient from artificial ventilation?
2. Discuss the indications and complications of blood transfusion

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

3. Anterior spinal artery syndrome
4. Treatment of organophospherous poisoning
5. Methods to decrease intra cranial pressure
6. Fibre optic laryngoscope
7. Flail chest
8. Glasgow coma scale

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination - April 2008

[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. Discuss the factors influencing intracranial pressure. Describe various methods to reduce intracranial pressure during surgery

2. Describe the pharmacology of different antihypertensive drugs in clinical practice and their relevance to practice of anaesthesia

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

3. Classification vaporizers
4. Laryngeal mask airway
5. Sevoflurane
6. Low flow anaesthesia
7. W T G morton
8. Hypokalaemia

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination - April 2008

[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. Patient admitted at 34 weeks of pregnancy with 4 gms Haemoglobin. Who is not in labor? Discuss strategies to correct Haemoglobinemia and anaesthestic management for caesarian section-elective

2. Discuss the problems and anaesthetic management of a case of posterior cranial fossa tumor

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

3. Central venous pressure –importance to anaesthetist

4. Pulmonary Baro trauma

5. Diffusion hypoxia

6. Mexiletine

7. Spirometry

8. Anaesthesia for penetrating eye injuries

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination - April 2008

[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. Outline special problems of ophthalmic anaesthetic. discuss anaesthetic management of a case of penetrating injury of the eye
2. An young lady with thyrotoxicosis is posted for subtotal thyroidectomy. Discuss in detail anaesthetic management

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

3. Nerve locator in regional blocks
4. Autologus blood transfusion
5. Critical incidents in anaesthesia
6. Problems of outpatient anaesthesia in Indian set up
7. Assessment of a patient with liver dysfunction
8. Porphyries – anaesthesia

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination - April 2008

[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. Discuss the intensive care unit management of a patient with septicaemia, with multi organ failure
2. Describe resuscitation and management of a patient of severe hemetemesis due to oesophageal varicies

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

3. Continuous positive airway pressure
4. Organophosphorus poisoning
5. Oxygen toxicity
6. Scoring systems
7. Central venous access
8. Anion gap

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