RK—1864

M.D. (ANAESTHESIOLOGY) DEGREE EXAMINATION, 2002

Paper I

Time : Three Hours Maximum : 100 Marks

Answer **all** *questions.*

Long Essays :

1. Describe in detail Neuromuscular junction. What are the different types of neuromuscular block ?
2. Discuss the normal ECG, diagnosis and management of different dysrhythmias.

(2 × 20 = 40 marks)

Short Essays :

3. ICP.
4. Various buffer systems.
5. August BIER.
6. Hyperbaric oxygen.
7. Sevoflurane.
8. Protamine.

(6 × 10 = 60 marks)

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(51) 103

RK—1865

M.D. (ANAESTHESIOLOGY) DEGREE EXAMINATION, 2002

Paper II

Time : Three Hours Maximum : 100 Marks

Answer **all** *questions.*

Long Essays :

1. Describe the extracorporeal circulation and the changes in plasma constituents.
2. Discuss the anaesthetic management of a 40 year patient posted for posterior fossa exploration in sitting posture.

(2 × 20 = 40 marks)

Short Essays :

3. Cricoid pressure.
4. Bone cement.
5. Double lumen endobronchial tubes.
6. Aortocaval compression.
7. Amniotic fluid embolism.
8. Hypoxic pulmonary vasoconstriction.

(6 × 10 = 60 marks)

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RK—1866

M.D. (ANAESTHESIOLOGY) DEGREE EXAMINATION, 2002

Paper III—CLINICAL PRACTICE OF ANAESTHESIA

Time : Three Hours Maximum : 100 Marks

Answer **all** *questions.*

Long Essays :

1. 70 year old man with uncontrolled Diabetes Mellitus, Hypertension and Myocardial infarction 3 months back with intestinal obstruction is posted for emergency Laparotomy. Discuss pre-operative evaluation, preparation and Anaesthetic Management.
2. Discuss the Anaesthetic Management of an infant posted for excision of Meningomyelocele.

(2 × 20 = 40 marks)

Short Essays :

3. Conscious sedation.
4. Failed intubation drill.
5. Delayed recovery.
6. Diabetic ketoacidosis.
7. Anaesthetic considerations of Laparoscopic Cholecystectomy.
8. Evaluation and peri-operative management of patients with coagulation defects.

(6 × 10 = 60 marks)

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RK—1867

M.D. (ANAESTHESIOLOGY) DEGREE EXAMINATION, 2002

Paper IV

Time : Three Hours Maximum : 100 Marks

Answer **all** *questions.*

Long Essays :

1. Discuss the various techniques of pain relief for a woman with advanced Malignancy of Cervix.
2. Discuss the causes and management of Cardiac arrythmias during anaesthesia.

(2 × 20 = 40 marks)

Short Essays :

3. Newer modes of ventilation.
4. Problems of high altitude anaesthesia.
5. Causes and management of post-operative hypoxemia.
6. Flial chest.
7. Management of a poisonous snake bite.
8. Role of magnesium in anaesthesia.

(6 × 10 = 60 marks)

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(54)

RK—2314

M.D. (ANAESTHESIOLOGY) DEGREE EXAMINATION, 2002

Paper I

Time : Three Hours Maximum : 100 Marks

Answer **all** *questions.*

Long Essays :

1. Describe the anatomy of sympathetic nervous system and enumerate functions.
2. Classify Diabetes Mellitus and its pathophysiology.

(2 × 20 = 40 marks)

Short Essays :

3. Remifentanyl.
4. Surfactant.
5. Mannitol.
6. Pipecuronium.
7. Soda lime.
8. Horace Wells.

(6 × 10 = 60 marks)

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RK—2315

M.D. (ANAESTHESIOLOGY) DEGREE EXAMINATION, 2002

Paper II

Time : Three Hours Maximum : 100 Marks

Answer **all** *questions.*

Long Essays :

1. Mention various types of anaesthetic techniques for Bronchoscopy.

   Describe the technique of General Anaesthesia for Bronchoscopy for a patient with suspected Bronchogenic Carcinoma.

2. Discuss the anaesthetic management for emergency Caesarian section in a patient with pre-eclamptic toxemia with foetal distress.

(2 × 20 = 40 marks)

Short Essays :

3. Intra-operative Myocardial Infarction—prevention and management.
4. Preparation of a "Wet Lung" before surgery.
5. Cerebral oedema.
6. Perforating eye injury—anaesthetic management.
7. Total hip replacement—problems and technique of anaesthesia.
8. Pericardial effusion—anaesthetic management.

(6 × 10 = 60 marks)

(56)

RK—2316

M.D. (ANAESTHESIOLOGY) DEGREE EXAMINATION, 2002

Paper III

Time : Three Hours Maximum : 100 Marks

Answer **all** *questions.*

Long Essays :

1. How does an infant differ from adult ? Enumerate the general principles of anaesthesia for infants.
2. Discuss in detail the anaesthetic management of Renal transplantation.

(2 × 20 = 40 marks)

Short Essays :

3. Glucose Tolerance test.
4. Coagulation factors.
5. Anaesthetic management of Pheochromocytonia.
6. Liver function tests.
7. Stellate Ganglion Block.
8. Management of post-tonsillectomy bleeding.

(6 × 10 = 60 marks)

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(57)

RK—2317

M.D. (ANAESTHESIOLOGY) DEGREE EXAMINATION, 2002

Paper IV

Time : Three Hours Maximum : 100 Marks

Answer **all** *questions.*

Long Essays :

1. Discuss the critical care management of a 10-year old child with snake bite.
2. Discuss the pathophysiology of Pulmonary Edema and its management.

(2 × 20 = 40 marks)

Short Essays :

3. Guillain-Barre syndrome management.
4. Humidification.
5. Nutritional support in a ventilatory patient.
6. Hyperbaric oxygen.
7. Continuous Positive Airway Pressure (CPAP).
8. Inverse ratio ventillation.

(6 × 10 = 60 marks)

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