Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination - 07-Jul-2023

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

ANAESTHESIOLOGY
PAPER – I (RS-2/RS-3)
Q.P. CODE - 7291

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

Answer All The Questions 10 X 10 = 100 Marks

1. Describe anatomy of cerebral circulation
2. JOHN SNOW
3. Discuss the pre-anaesthetic assessment clinic and its usefulness
4. Describe the types of needle used for Central Neuraxial Blockade
5. Describe the factors affecting spread of local anaesthetics and the causes of failed regional block
6. Write about Capnography and its abnormal tracings
7. Describe Bain Circuit, discuss about its advantages and disadvantages
8. Describe the fumigation of an operation theatre after the report of post operative tetanus
9. Hofmann elimination
10. Closing capacity

Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination - 12-Jul-2023

Time: Three Hours | Max. Marks: 100 Marks

ANAESTHESIOLOGY

PAPER – III (RS-2/RS-3)

Q.P. CODE: 7293

Your answers should be specific to the questions asked

Draw neat labeled diagrams wherever necessary

Answer All The Questions | 10 x 10 = 100 Marks

1. Management of Tracheoesophageal fistula in a 2 day old 3.5 kg neonate with no other congenital malformation.
2. Fasting guidelines in children what are the current recommendations?
3. Outline the perioperative fluid management plan for a renal transplant recipient.
4. Current guidelines regarding blood component therapy in a post-partum haemorrhage patient.
5. Respiratory and cardiovascular changes in elderly patient.
6. Interscalene approach brachial plexus block, the technique and associated complications.
7. Conscious sedation for dental extraction, the technique and concerns.
8. Haemodynamic monitoring and management of a patient scheduled for partial liver resection.
9. Outline the anaesthetic management of a patient presenting with phaeochromocytoma.
10. Laser excision of vocal cord nodules anaesthetic management.

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Rajiv Gandhi University of Health Sciences, Karnataka

MD Degree Examination – 14-Jul-2023

Time: Three Hours | Max. Marks: 100 Marks

ANAESTHESIOLOGY
PAPER – IV (RS-2/RS-3)
Q.P. CODE: 7294

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

Answer All The Questions | 10 x 10 = 100 Marks

1. How do you diagnose a case of acute respiratory distress syndrome (ARDS)? Outline the principles of ventilatory management in a case of ARDS admitted in the intensive care unit.
2. How will you optimize a patient with hyperthyroidism scheduled for subtotal thyroidectomy? Discuss the management of thyroid storm.
3. Advantages of enteral nutrition.
4. Synchronized intermittent mandatory ventilation.
5. Hyponatraemia: Definition, clinical manifestation and management in postoperative Patients.
6. Vasopressin.
7. Complex regional pain syndrome type 2.
8. Treatment of supraventricular tachycardia.
9. Discuss the role of trans thoracic echocardiography (TTE) in haemodynamic monitoring of an end stage renal disease patient on haemodialysis with cardiomyopathy, scheduled for hemi replacement arthroplasty.
10. Enumerate the measures to monitor the depth of amnesia and analgesia under general Anaesthesia. Describe in detail Adequacy of Anaesthesia (AoA) monitoring.

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Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination - 16-Dec-2023

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

ANAESTHESIOLOGY
PAPER – I (RS-2/RS-3)
Q.P. CODE - 7291

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

Answer All The Questions 10 X 10 = 100 Marks

1. JAMES Young Simpson
2. Outline the indications, contraindications, functioning complications and limitation of pulse oximetry
3. Draw a labelled diagram of sympathetic nervous system. Discuss assessment for autonomic neuropathy
4. Describe the merits and demerits of spinal opioid drugs
5. Write about Carbon dioxide transport in blood
6. Enumerate differences between paediatric and adult airway
7. Second gas effect
8. Write a note on VENTURI principle and its application in anaesthetic practice
9. What is the clinical application of Oxygen Dissociation Curve (ODC)?
10. Flow meter of anaethesia machine

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Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination - 18-Dec-2023

Time: Three Hours | Max. Marks: 100

ANAESTHESIOLOGY

PAPER – II (RS-2/RS-3)

Q.P. CODE: 7292

Your answers should be specific to the questions asked

Draw neat labeled diagrams wherever necessary

Answer all the Questions | 10 x 10 = 100 Marks

1. Discuss the physiological changes in pregnancy and its relevance to anaesthesia
2. Explain the technique and complications of Internal Jugular Venous Cannulation
3. Anaesthetic management of 70 year old patient posted for emergency laparotomy in view of possible intestinal perforation
4. Pace maker and defibrillation
5. Dexmedetomidine versus Clonidine
6. Total Intravenous Anaesthesia
7. Management of Diabetic Keto Acidosis
8. Enumerate the methods available for pain relief in patients with carcinoma pancreas, describe coeliac plexus block with the help of a diagram
9. Discuss the safety devices in Anaesthesia Machine
10. Anaesthesia for perforating injury of the eye in a 5-year-old child

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Rajiv Gandhi University of Health Sciences, Karnataka

MD Degree Examination – 20-Dec-2023

Time: Three Hours | Max. Marks: 100

ANAESTHESIOLOGY
PAPER – III (RS-2/RS-3)
Q.P. CODE: 7293

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

Answer All The Questions | 10 X 10 = 100 Marks

1. Discharge Criteria for Day Care Surgeries
2. Explain the management of post operative shivering
3. Discuss monitoring during paediatric surgeries
4. Treatment of Intra Operative Myocardial Ischaemia
5. Discuss pharmacodynamics and **Pharmacokinetics** of Flumazenil
6. Describe the preoperative evaluation, optimization, intra operative and post operative management of 45 year old man with thyroid malignancy posted for total thyroidectomy
7. Explain Cerebral protection
8. Describe the various methods to conserve blood during surgery
9. Respiratory acidosis
10. Anaesthetic management of BPH

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Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination - 22-Dec-2023

Time: Three Hours | Max. Marks: 100 Marks

ANAESTHESIOLOGY
PAPER – IV (RS-2/RS-3)
Q.P. CODE: 7294

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

Answer All The Questions | 10 x 10 = 100 Marks

1. Blood conservation strategies during elective surgery in adult patient.
2. Discuss the pathophysiology of acute respiratory distress syndrome.
3. Epidural steroid injection-the technique, drugs used and indications.
4. Anticipated difficult airway management in obstetric patient.
5. How will you deal with a situation of On-table death?
6. Enteral vs parenteral nutrition the advantages and disadvantages.
7. Define the term sepsis and septic shock. Briefly outline the haemodynamic management of a septic shock patient.
8. How will you plan and manage plan in a terminal malignancy patient presenting with acute pain? Briefly write about WHO analgesic ladder.
9. How will you protect yourself and other health care personnel during a surgical procedure in a patient with suspected case of H_1N_1 influenza?
10. Management of pain in a 3-year-old child following hip surgery.

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