Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination - 07-May-2022

[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. Discuss the Neuromuscular transmission with the help of a Diagram.
2. Write a note on physiological changes during Hypothermia.
3. Discuss the preanaesthetic assessment clinic and its usefulness.
4. Discuss the application of gas Laws in Anaesthesia.
5. Laryngeal Mask Airway devices, types and their uses.
6. Hoffmann elimination.
7. Compare the pharmacological effects of morphine and Fentanyl.
8. Hypoxic pulmonary vasoconstriction.
9. Caudal Epidural space.
10. Write a note on Horace Wells.

M.D. Degree Examination - 09-May-2022

Time: Three Hours **Max. Marks: 100 Marks**

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. Write the anesthetic management of a 2 years child with perforated eye ball.
2. Recent guidelines of management of Tramautic Brain Injury (TBI).
3. Write the indications of one lung ventilation and describe the anaesthetic management of left upper lobectomy.
4. Detection and management of perioperative ischemia.
5. Write the anaesthetic implications of Total Hip Replacement (THR).
6. Retained placenta.
7. HELLP SYNDROME.
8. VENOUS AIR EMBOLISM (VAE) - detection and management.
9. How do you classify anti arrhythmic drugs and write about – 1) Amiodarone 2) Levosimendon
10. Four factor prothrombin complex concentrate (4f-pcc).

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M.D. Degree Examination - 11-May-2022

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. Congenital diaphragmatic hernia the anaesthetic challenges and perioperative management.
2. Premedication in children discus the pros and cons.
3. Outline the guidelines for perioperative fluid therapy in a renal transplant recipient.
4. Abruptio placenta anaesthetic concern and management.
5. Subclavian peri-vascular brachial plexus block.
6. Anaesthetic concerns in MRI suite.
7. Reperfusion effects in liver transplant surgery.
8. Methods to prevent airway fire during laser surgery on the vocal cords.
9. Anaesthetic management of a patient coming with Cushing's tumour.
10. Monitored anaesthesia care for gastroenterology procedure the challenges.

M.D. Degree Examination - 13-May-2022

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. Write briefly on primary and secondary survey in a polytrauma victim?
2. What are the different types of cardiac arrest and briefly outline the management as per AHA guidelines.
3. Opioid dependency-how will you diagnose and manage.
4. Postoperative pain management plan for a 78-year-old man undergone total hip replacement surgery.
5. Current recommendations about ventilating a patient with acute respiratory distress syndrome (ARDS).
6. Early management of organophosphorus poisoning.
7. AHA algorithm for the management of supraventricular tachycardia.
8. Design a parental nutrition plan for a 50kg women who has undergone bowel surgery.
9. Explain breakthrough pain and incident pain.
10. Anticipated difficult airway in obstetric patient-All India Difficult Airway Association guidelines.

Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination - 15-Nov-2022

[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. Paravetebral block, anatomy, technique, indications and complications.
2. Factors affecting myocardial oxygen demand and supply.
3. Steps of Thyroxine synthesis and its action on various systems.
4. Bernoulli's principle and its application in Anaesthesia.
5. Functional analysis of Bains circuit for spontaneous and controlled ventilation.
6. Explain the concepts of zero order kinetics and first order kinetics with respects to drug metabolism.
7. Compare and contrast Airtraq and Glidescope.
8. Compare and contrast ropivacaine and levobupivacaine.
9. James Young Simpson and his contribution to Anaesthesia.
10. Hyponatremia and Anaesthesia.

M.D. Degree Examination - 17-Nov-2022

Time: Three Hours Max. Marks: 100 Marks

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. Risk stratification and preoperative evaluation of a patient with ischemic heart disease.
2. Anaesthetic concerns and management of a 12-year-old child coming for open appendicectomy with intracardiac left to right shunt lesion.
3. Pathophysiology of **HELP syndrome**.
4. Describe three-legged stool approach for preoperative evaluation of a patient scheduled for pneumonectomy.
5. Bedside pulmonary function tests.
6. Cerebral autoregulation and factors affecting it.
7. Neurosurgical procedure in sitting position-anaesthetic management.
8. Hypotensive Anaesthesia of scoliosis surgery.
9. Induction and intubation of a 5-year-old child scheduled for open globe injury of right eye coming for repair.
10. Anaesthetic management of a patient coming for manual removal of placenta.

Rajiv Gandhi University of Health Sciences, Karnataka

MD Degree Examination – 19-Nov-2022

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. Describe the anaesthetic management of 5 year old child with Supra Condylar Fracture of Humerus posted for open reduction and internal fixation
2. Aetiology and management of Hepatorenal Syndrome in Anaesthesia Practise
3. Anaesthetic management of a 40 year old posted for phaeochromocytoma
4. Describe the management of Hypovolemic shock in patient with Polytrauma
5. Anaesthetic considerations in elderly population
6. Anaesthetic management of post tonsillectomy bleeding
7. Transverse Abdominis Plane Block
8. What is Day Care Surgery? How do you plan for out-patient anaesthesia?
9. Causes and management of disseminated intravascular coagulation
10. Note on glucocorticoid replacement in anaesthesia

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MD Degree Examination – 21-Nov-2022

Time: Three Hours **Max. Marks: 100**

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

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. Liquid ventilation
2. Indications, techniques, complications of Quadratus Lumborum Block
3. Paracetamol poisoning
4. Multi Organ Dysfunction Syndrome
5. Various methods of weaning off the patient from mechanical ventilation in ICU
6. Anaesthetic implications in post COVID patient
7. ICU care bundles
8. Use of ultrasound in anaesthesia and critical care
9. Management of hyponatremia
10. Describe Cardioversion and Defibrillation

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