

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH

PG Examinations June/July 2023

Time : 180 Minutes

Max Marks : 100 Marks

Anaesthesia Paper I

QP CODE: P3151

Your answer should be specific to the question asked

Draw neat labelled diagrams wherever necessary

1. Discuss about Guedel's classification of Ether Anaesthesia.
2. Describe the Anatomy of Caudal epidural space and discuss Caudal anaesthesia in pediatrics
3. Explain with a neat labeled diagram Co-Axial Circuits
4. Compare about properties and pharmacological profile of Desflurane
5. What are the causes of Post dural puncture headache and how to manage it
6. Write about 2, 3 DPG
7. Discuss about concentration effect & 2nd gas effect
8. Describe the anatomy of diaphragm with a neat diagram Discuss its role as a principle muscle of respiration
9. Define Charle's law and its application
10. Describe the uptake and distribution of inhalation anaesthetics in the body. Discuss the hepato toxicity of currently used inhalation agents.



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Anaesthesia Paper II

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1. Measurement and interpretation of Diffusing capacity of lungs.
2. Define and classify shock. Write a note on hypovolemic shock.
3. Discuss in details the etiology, pathophysiology diagnosis and treatment of fat embolism.
4. Describe pathophysiology of Mitral Stenosis. Add a note on labour analgesia in Mitral Stenosis
5. Discuss about various endotracheal Tubes used for Laser Surgery
6. Describe the electrical and mechanical events during cardiac cycle.
7. Discuss the preoperative evaluation and anaesthetic management of a patient with Bronchial asthma for right upper lobectomy.
8. Write a note on Intra-Aortic Balloon Pump.
9. Write a note on placental barrier. Describe placental transfer of various anaesthetic agents.
10. Explain the terms Minimum Alveolar Concentration, Blood gas solubility coefficient of inhalational anaesthetic agents. Describe why induction is faster with sevoflurane than halothane.



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Anaesthesia Paper III

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1. Discuss about Celiac plexus block
2. What is Obturator reflex? Where do we encounter this reflex? How to prevent this reflex during surgery
3. Discuss Fasting guidelines for children. Write a note on premedication in children.
4. Discuss different anaesthesia techniques which can be used for management of an 80 years old patient posted for TURBT.
5. Write in detail about Preanaesthetic evaluation & anaesthetic management of hernia in a 80 years old male with HTN & DM
6. Describe the types of cleft palate. Write a note on its anaesthetic considerations.
7. What are the tests for evaluating autonomic neuropathy
8. Discuss in detail about various blood conservation techniques
9. How do you classify obesity? Discuss the anaesthetic management of a 30 years old male, weighing 130kg. posted for bariatric surgery
10. Discuss Anaesthesia management in a patient with congenital hyperbilirubinemia for inguinal hernia repair



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Anaesthesia Paper IV

QP CODE: P3154

*Your answer should be specific to the question asked
Draw neat labelled diagrams wherever necessary*

1. Define the indications and describe the anatomy, technique and complications of Stellate Ganglion block
2. Define central line associated blood stream infection (CLABSI). Enumerate insertion and maintenance CVC care bundles and discuss the management of CLABSI.
3. Define Digitalis toxicity and discuss the management of digitalis toxicity.
4. Role of prone ventilation in COVID-19 and Ventilatory management for COVID-19 patients.
5. Define polytrauma and discuss the current resuscitation guidelines of poly trauma in ICU.
6. Define non-operating room anesthesia(NORA). Enumerate common procedures done under NORA and discuss about NORA in MRI suite.
7. Enumerate principles and independent variables of Stewart approach to ABG analysis. Describe in detail about David story approach to acid base disorders.
8. Enumerate the limitations and hazards of providing anaesthesia in MRI suite. Discuss the management of child for MRI brain.
9. Write the advantages and disadvantages of both regional & general anaesthesia for day surgeries
10. Define enteral and parenteral nutrition. Discuss the advantages and disadvantages of enteral over parenteral nutrition.

