

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH
(A Deemed to be University)

Post Graduate Examination January 2025

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

10X10=100

1. Explain significance of Hyderabad commission.
2. Define Gas laws & its application
3. Explain about Bernoulli's effect
4. How do Oxygen concentrators function? Mention their uses?
5. Enumerate the uses of Video laryngoscopes
6. What are the various Cholinergic receptors. Write a note on classification of anti-cholinergic drugs
7. Describe the anatomy of diaphragm with a neat diagram Discuss its role as a principle muscle of respiration
8. Describe the anatomy of coronary circulation Write a note on factors affecting coronary blood flow
9. What is Oxygen toxicity and what is its management
10. Causes and management of delayed recovery from anaesthesia.

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH
(A Deemed to be University)

Post Graduate Examination January 2025

Time: 180 Minutes

Max Marks: 100 Marks

Anaesthesiology Paper II

QP CODE: P3152

Your answer should be specific to the question asked

Draw neat labelled diagrams wherever necessary

10X10=100

1. AV conduction block and anesthetic implications.
2. Methods of Hypotensive anaesthesia.
3. Define cardiac cycle. Enumerate the phases. Explain Frank starling relationship with the help of graph.
4. Describe in detail about hypoxic pulmonary vasoconstriction, factors affecting it and its anaesthetic implications.
5. Discuss the pathophysiology of negative pressure pulmonary oedema.
6. Factors affecting uptake and distribution of inhalational anaesthetic agents. Write a brief note on concentration and second gas effect.
7. What is Supine hypotension syndrome. Where it is seen and how it can be prevented
8. Describe physiological changes in pregnancy and their anaesthetic implications.
9. Explain with a neat labelled diagram Brachial Plexus Anatomy
10. A case of mass in the lower oesophagus posted for Rigid Oesophagoscopy. Write the anesthetic management.

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH
(A Deemed to be University)

Post Graduate Examination January 2025

Time: 180 Minutes

Max Marks: 100 Marks

Anaesthesiology Paper III
QP CODE: P3153

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

10X10=100

1. Describe the anatomy of foetal circulation and changes at birth.
2. Describe the anaesthetic management of a 10-year-old boy posted for removal of a foreign body bronchus
3. Describe Anaesthetic management of a renal transplant recipient from a live related donor
4. Write about Fluid management in Geriatric patient with asthma.
5. Explain about Post-operative jaundice and its management.
6. Explain different types of insulin & uses
7. Discuss Different between primary & secondary hyperthyroidism
8. Define heparin induced thrombocytopenia and discuss the advantages and disadvantages of random donor platelets and single donor platelets
9. Discuss about physiological changes in geriatric age group.
10. Discuss about Celiac plexus block.

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH

(A Deemed to be University)

Post Graduate Examination January 2025

Time: 180 Minutes

Max Marks: 100 Marks

Anaesthesiology Paper IV

QP CODE: P3154

Your answer should be specific to the question asked

Draw neat labelled diagrams wherever necessary

10X10=100

1. Discuss methods to measure pain and describe the management of breast cancer pain
2. Write briefly about Evidence Based Medicine.
3. Write the advantages and disadvantages of both regional & general anaesthesia for day surgeries
4. 65-year-old male with Type 2 Diabetes, Hypertension with COVID-19 positive status and mucormycosis posted for endoscopic debridement. Write in brief about the anaesthetic management
5. Define cross contamination. List commonly used equipments in ICU with reported microorganisms involved in cross contamination. Discuss the role of ICU environmental contamination for patient colonization / infection.
6. Define massive blood transfusion and discuss the complications associated with massive blood transfusions.
7. Define Digitalis toxicity and discuss the management of digitalis toxicity.
8. Enumerate the limitations and hazards of providing anaesthesia in MRI suite. Discuss the management of child for MRI brain.
9. Define non-operating room anaesthesia (NORA). Enumerate common procedures done under NORA and discuss about NORA in MRI suite.
10. Define enteral and parenteral nutrition. Discuss the advantages and disadvantages of enteral over parenteral nutrition.