

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

Post Graduate Supplementary Examination April/May 2026

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. What is the importance of anatomy and contents of epidural space?
2. What is the role of Trans Oesophageal Echocardiography in cardiac surgery.
3. Write about Reynolds number and its significance in anaesthesia
4. Discuss about Ralph M Waters
5. Describe the formation of brachial plexus with the help of diagram
6. Discuss about working principles of a Tec 6 vaporiser
7. Causes and management of delayed recovery from anaesthesia.
8. Definition, advantages, problems and management of Low flow anaesthesia.
9. Discuss about concentration effect & 2nd gas effect
10. What are the various Factors regulating cardiac output.

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

Post Graduate Supplementary Examination April/May 2026

Time: 180 Minutes

Max Marks: 100 Marks

Anaesthesia Paper II

QP CODE: P3152

Your answer should be specific to the question asked

Draw neat labelled diagrams wherever necessary

10X10=100

1. Describe the anatomy of internal jugular vein. Enumerate the complications of central venous cannulation.
2. Describe pre-operative evaluation and various cardiac risk indices in coronary artery disease.
3. Describe oxygen cascade and factors influencing it.
4. Write in detail about Massive transfusion.
5. Pre-operative evaluation of patients with cardiac disease undergoing non-cardiac surgery.
6. Describe the mechanisms of hypoxaemia during anaesthesia.
7. What are the problems of Smoking and management in Anaesthesia.
8. What is Labor epidural analgesia.
9. An 80-year-old man with Cardiomyopathy is scheduled for total hip replacement.
Outline the intra-operative and post-operative anaesthesia and pain management.
10. Describe the anatomical and physiological airway changes in paediatric patients

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

Post Graduate Supplementary Examination April/May 2026

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. Discuss Anaesthetic concerns in the elderly
2. Define disseminated intravascular coagulopathy and discuss the indications and complications of fresh frozen plasma and cryoprecipitate
3. Discuss Anaesthesia management in a patient with congenital hyperbilirubinemia for inguinal hernia repair
4. What is Obturator reflex? Where do we encounter this reflex? How to prevent this reflex during surgery
5. Describe the pre-operative evaluation, preparation and anaesthetic management of a hyperthyroid patient posted for emergency laparotomy for gastric perforation
6. Diagnosis and management of Thyroid storm.
7. Discuss anatomy, indications, contraindications and procedure of Para vertebral block.
8. Describe the anaesthetic management of a child posted for congenital diaphragmatic hernia repair.
9. Discuss the Peri-operative problems and anaesthetic management of a 2-day old child scheduled for Tracheo-Oesophageal Fistula repair surgery.
10. Discuss Renal function Tests & its importance in anaesthesia

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

Post Graduate Supplementary Examination April/May 2026

Time: 180 Minutes

Max Marks: 100 Marks

Anaesthesia Paper IV

QP CODE: P3154

Your answer should be specific to the question asked

Draw neat labelled diagrams wherever necessary

10X10=100

1. Define central line associated blood stream infection (CLABSI). Enumerate insertion and maintenance CVC care bundles and discuss the management of CLABSI.
2. Define pain? Describe the various Ultrasound guided blocks for acute post-operative pain relief.
3. Enumerate principles and independent variables of Stewart approach to ABG analysis. Describe in detail about David story approach to acid base disorders.
4. Describe the role of HFNC and NIV in management of COVID patients.
5. Define day care anaesthesia and write in detail about patient preparation and optimization for day care anaesthesia.
6. Define massive blood transfusion and discuss the complications associated with massive blood transfusions.
7. Design an intensive care unit (ICU) for a 1000 bedded new hospital - location, number of ICU beds and staff requirements.
8. Define Laser. What are its clinical applications in anaesthesia? Enumerate the laser hazards and precautions in anaesthetic practice.
9. Describe signs and symptoms of snake bite poisoning. Discuss the management of snake bite poisoning in ICU.
10. Define phased array transducer and describe the role of trans thoracic echocardiography in ICU.