

**SRI DEVRAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH**  
(A DEEMED TO BE UNIVERSITY)

**Post Graduate Degree Examination - Apr/May 2019**

Time : 3 Hrs

Max Marks : 100

**M.D ANAESTHESIOLOGY**  
**Paper-I      QP Code: P3151**

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

**LONG ESSAY**

**10 X 10 = 100**

1. Describe about the significance of World Anaesthesia Day
2. Explain about stages of Anaesthesia
3. Discuss about functional Analysis of Jackson Rees Modification of Ayres T Piece
4. Explain about Aladdin Vaporizer
5. Discuss about mucolytics and its uses
6. Differentiate between colloids and crystalloids
7. Describe the Anatomy of the spinal cord. Discuss the Physiology of Central neuraxial Block.
8. Define functional residual capacity and closing volume. Describe their clinical significance.
9. Functional residual capacity
10. Describe the causes, clinical effects of metabolic acidosis. How you will manage metabolic acidosis.

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**M.D ANAESTHESIOLOGY**  
**Paper-II      QP Code: P3152**

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**LONG ESSAY**

**10 X 10 = 100**

1. Describe in detail about hypoxic pulmonary vasoconstriction, factors affecting it and its anaesthetic implications.
2. Explain the Anaesthetic management of a child posted for Cleft lip Palate
3. Write a note on Extra Corporeal Membrane Oxygenator.
4. Discuss about hyperbaric oxygen therapy
5. Discuss about effects of cigarette smoking and pulmonary functions.
6. Describe with a diagram the oxygen haemoglobin dissociation curve, factors affecting it and its clinical significance.
7. Describe Physiology of labour pain. Add a note on labour analgesia.
8. Write a note on anti hypertensives used in Pregnancy Induced Hypertension. Describe magnesium sulphate and its anaesthetic implications.
9. What is Bone Cement? Write about Bone cement implantation syndrome
10. A patient is posted for Modified Radical Neck Dissection. Write the pre-operative intra operative & post-operative management.

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**Paper-III      QP Code: P3153**

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**LONG ESSAY**

**10 X 10 = 100**

1. Discuss various methods of inhalational induction in paediatric patient. Enumerate the causes, preventive measures and management of upper airway obstruction during induction in paediatrics.
2. What are the anatomical differences between adult and paediatric airway? Discuss the guidelines for management of paediatric difficult airway.
3. Discuss Renal function Tests & its importance in anaesthesia
4. A 80 year old patient is posted for TURBT. Discuss different anaesthesia techniques which can be used for safe conduct of surgery.
5. Write in detail about Anaesthesia for liver transplant
6. Discuss Anaesthesia for ERCP
7. Describe about Steroid supplementation in patient on long term steroids
8. Write in detail about Anaesthesia for diabetic foot debridement in a 50 yr patient.
9. Discuss the etiology and management of disseminated intravascular coagulopathy
10. Write in detail about Causes of post-operative cognitive dysfunction

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**Paper-IV      QP Code: P3154**

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**LONG ESSAY**

**10 X 10 = 100**

1. Discuss the indications and describe the anatomy, technique and complications of facial nerve block
2. Write in detail about the role of FAST and E-FAST scans during emergencies in ICU
3. Discuss various dynamic variables for fluid assessment and write their role in the management of septic patients
4. Define day care anaesthesia and write in detail about optimization and selection of paediatric patient and elderly patients undergoing day care anaesthesia
5. Discuss the algorithm for pulseless electrical activity.
6. Cardio pulmonary resuscitation    recent trends.
7. Give an outline on selection and discharge criteria for day care surgery patient.
8. What is Capnometry. Describe various abnormal capnograms..
9. Total Intravenous anaesthesia.
10. Recent ventilatory strategies in managing ARDS.