

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

Post Graduate Degree Examination - June/July 2020

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. Discuss about concentration effect & 2nd gas effect
2. What is Coanda effect
3. What are the contributions of James Young Simpson
4. What are the different types of Vaporizers? Classify vaporizers
5. What are the indications for Heliox?
6. What is N-Acetyl Cysteine and its uses
7. Describe Cerebral circulation? Describe cerebral auto regulation?
8. Describe the anatomy of internal jugular vein Enumerate the complications of central venous cannulation
9. How to measure Central venous pressure and its applications in anaesthesia
10. What is Combined spinal and Epidural Anaesthesia.

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Paper- II QP Code: P3152

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LONG ESSAY

10 X 10 = 100

1. Write the guidelines for infective endocarditis prophylaxis
2. Describe the anatomy and electrophysiology of cardiac pacemakers and the conduction systems. Give an account of the anti-arrhythmic drugs.
3. What is cardioversion? Discuss the indications, electrical energy requirement and anaesthesia for cardioversion.
4. What is Oxygen toxicity and what is its management
5. Describe the anatomy of Broncho pulmonary segments and its clinical significance.
6. Factors affecting uptake and distribution of inhalational anaesthetic agents. Write a brief note on concentration and second gas effect.
7. What is HELLP syndrome. How will you manage patient with HELLP syndrome posted for cesarean section?
8. Describe pathophysiology of Disseminated Intravascular Coagulation and anaesthetic implications.
9. Explain with a neat labeled diagram Brachial Plexus Anatomy
10. Explain the various Vocal Cord Palsies with neat labeled diagrams

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Paper- III QP Code: P3153

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LONG ESSAY

10 X 10 = 100

1. Write a note on anatomy and physiology of Tracheo oesophageal fistula and its anaesthetic implications.
2. Write a note on occulo cardiac reflex, causes, pathway and anaesthetic considerations.
3. What is Obturator reflex? How to prevent this reflex during surgery
4. What are the indications of Renal Replacement therapy? Discuss the different modes of renal replacement therapy.
5. Explain Physiological changes associated with liver diseases
6. Describe various blood conservation techniques and discuss about autologous blood transfusion
7. What is Thyroid crisis and to prevent it
8. Discuss about Diabetic Keto Acidosis & treatment
9. Explain perioperative problems in geriatric patients
10. Describe the anatomy of typical intercostals nerve. Enumerate the indications , contra indications and complications of intercostals block. How do you perform the block.

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Paper- IV QP Code: P3154

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LONG ESSAY

10 X 10 = 100

1. Post operative pain relief in paediatrics
2. Define pain & Describe systemic responses to pain
3. Discuss the indications & Describe the anatomy, technique and complications of trigeminal nerve block s
4. Expalin the indications and describe the anatomy, technique and complications lumbar sympathetic block
5. Explain about Xenon in Anaesthesia
6. Ultrasound and uses in ICU
7. Describe primary survey and resuscitation of a patient met with road traffic accident
8. Explain about Defibrillator
9. Define Day care anaesthesia and write in detail about specific discharge criteria for patient undergoing regional anesthesia during day care surgeries
10. Define phased array transducer and describe the role of trans thoracic echocardiography in ICU