

SRI DEVRAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

Post Graduate Degree Examination - July 2021

Time: 3 Hrs

Max Marks: 100

M.D ANAESTHESIOLOGY

Paper-1

QP Code: P3151

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

- Define about working principles of pulse oximeter
- 2. What is fourier analysis write briefly about its application
- 3. What are the contributions of Sir Ivan Magill
- What are the safety mechanisms to prevent the delivery of hypoxic mixture in anaesthesia machines.
- Methods to confirm the placement of a double lumen tube.
- 6. Differentiate between depolarizing and non-depolarizing muscle relaxants
- 7. With the help of a appropriate diagram describe the conducting pathways of the Heart
- 8. Describe Cerebral circulation? Describe cerebral auto regulation?
- The stimulus, effect and mechanism in Cushing's reflex.
- Discuss the Medico legal issues in anesthesia.



SRI DEVRAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

Post Graduate Degree Examination - July 2021

Time: 3 Hrs

Max Marks: 100

M.D ANAESTHESIOLOGY

Paper- II

QP Code: P3152

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

LONG ESSAY

- 1. Write a note on transoesophageal Echocardiography.
- 2. AV conduction block and anesthetic implications.
- 3. Discuss how to daignose and treat venous air embolism.
- 4. Write a note on pharmacology of Bronchodilators and Mucolytic agents.
- Define Functional Residual Capacity. Explain the importance of FRC in normal respiratory function.
 Add a note on measurement of FRC.
- 6. What are the problems of Smoking and management in Anaesthesia.
- Discuss preoperative evaluations, preparation and peri operative management of a 30 year old primi
 with preeclampsia posted for emergency caesarean section.
- 8. Describe the causes of difficult airway in pregnancy and its management.
- 9. Describe the various Low molecular weight heparin used for thromboprophylaxis
- 10. Explain Anaesthetic concerns in shared airway

Sund

SRI DEVRAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

Post Graduate Degree Examination - July 2021

Time: 3 Hrs

Max Marks: 100

M.D ANAESTHESIOLOGY

Paper- III

QP Code: P3153

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

- How is child different from adult- Anaesthetic implications?
- 2. Write note on post operative paediatric analgesia
- 3. Discuss acute renal failure management following mismatched blood transfusion
- 4. What are the different types of Irrigation Solution used in Urology? Compare and contrast
- 5. Write in detail about Anaesthetic consideration in altered lever functions
- 6. Discuss in detail about the indicators and triggers for blood transfusion
- How do you grade obesity. Discuss the anaesthetic management of a 30 years old male, weighing 130kg. posted for bariatric surgery
- Diabetic autonomic neuropathy and its implications.
- Write in detail about PAE & management of anaesthesia for hernia in a 80 years old male with HTN &
- 10. Explain Airway anesthesia for awake intubation.

augh

SRI DEVRAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

Post Graduate Degree Examination - July 2021

Time: 3 Hrs

Max Marks: 100

M.D ANAESTHESIOLOGY
Paper- IV QP Code: P3154

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

LONG ESSAY

- Discuss the management of a case of Trigeminal Neuralgia.
- 2. Define pain & describe electromyography and nerve conduction studies used to evaluate pain
- Explain the indications and describe the anatomy, technique and complications of Thoracic Para vertebral nerve blocks
- 4. Discuss the indications and describe the anatomy, technique and complications of facial nerve block
- Describe secondary survey and resuscitation of a patient met with road traffic accident
- 6. Write in detail about the role of FAST and E-FAST scans during emergencies in ICU
- Discuss the various modes of ventilation. Describe the management of a young man with organophosphorus poisoning on a ventilator.
- 8. Discuss the role of prone ventilation and ventilation strategies in COVID-19 positive patient.
- Discuss the anesthetic management of a 65 year old male COVID-19 positive patient with mucormycosis posted for endoscopic debridement.
- Define day care anaesthesia and write in detail about post operative complications following day care
 anesthesia