

02/01/25

Printing Page (s): 1

SVSU/2024/R-B

Paper Code: MD-141

Enrollment No.																	
----------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

M.D.-Anesthesia**Paper – I**

(Basic Sciences as applied to Anesthesiology)

[Time: 3:00 Hours]**[Max. Marks: 100]**

Note: Attempt all questions. Draw well labeled diagrams wherever necessary.

1.	Describe the Pulmonary Function tests and its application to Anesthesiologist	10
2	Regarding the coronary blood flow describe a) Determinants of myocardial oxygen demand and supply b) Assessment of Ventricular functions	10
3.	Enumerate the various test done during Neuromuscular monitoring. What are the interpretation of information from TOF	10
4.	Describe the clinical manifestation and treatment of Anaphylaxis	10
5.	Describe the pressure volume loop of cardiac cycle	10
6.	Draw a detailed diagram of Capnogram and describe factors affecting it	10
7.	Thromboelastographic and its interpretation	10
8.	Oxygen dissociation curve and its determinants	10
9.	Co-axial breathing circuits	10
10.	Greenhouse effect of anesthetics agents	10

04/01/25

Printing Page (s): 1

SVSU/2024/R-B

Paper Code: MD-142

Enrollment No.																			
----------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

M.D.-Anesthesia**Paper – II**

(Practice of Anesthesia :.....)

[Time: 3:00 Hours]**[Max. Marks: 100]**

Note: Attempt all questions. Draw well labeled diagrams wherever necessary.

1. Patient is a k/c of diabetes and Ketoacidosis and presents for exploratory laparotomy for Intestinal obstruction. How will you assess, maintain and administered anaesthesia 10
2. Revised Cardiac Risk Index 10
3. Illustrate the Extubation management in a patient with preop difficult intubation 10
4. Detection and Management of Hyperkalemia 10
5. Oculocardiac reflex 10
6. Describe the physiological effects and hazard in Lateral Decubitus during anaesthesia 10
7. Describe the various techniques of reducing perioperative bleeding 10
8. Describe Frailty and its significance in geriatric population 10
9. Post operative delirium in elderly 10
10. RSI (Rapid Sequence Induction) 10

Enrollment No.																			
----------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

M.D.-Anesthesia

Paper – III

(Anesthesia in relation to subspecialties/super specialties)

[Time: 3:00 Hours]

[Max. Marks: 100]

Note: Attempt all questions. Draw well labeled diagrams wherever necessary.

1. Write notes on Disinfection versus Sterilization. 10
Enumerate various modalities available for sterilization in the operation theatre.
2. Management on needle stick injury in a health 10
personnel after exposure to HBV patient (Hepatitis B).
3. Write short notes on Prone positioning 10
4. Write short note on Segmental spinal 10
anaesthesia.
5. Write briefly about importance of Palliative care. 10
6. Discuss Oxygen stewardship. 10
7. Write short note on HELLP syndrome 10
8. Discuss role of USG in anesthesia . 10
9. Write in short notes on Post op sore throat and 10
management.
10. Discuss Biomedical waste management in O.T. 10

Enrollment No.

M.D.-Anesthesia**Paper – IV****(Intensive Care Medicine, Pain Medicine and Recent Advances)****[Time: 3:00 Hours]****[Max. Marks: 100]****Note: Attempt all questions. Draw well labeled diagrams wherever necessary.**

1. Define Shock. Enumerate various types of shock. **10**
Discuss the management of hemorrhagic shock.
2. Write short note on: **10**
 - a. Suggamadex
 - b. Adaptive support ventilation
3. Write short note: **10**
 - a. Simulation in anesthesia
 - b. Ozone therapy in chronic pain
4. Write short note: **10**
 - a. Auto PEEP
 - b. Parenteral Nutrition
5. Discuss the anesthetic implications of patient posted for posterior fossa surgery in prone position. **10**
6. Write short note on: **10**
 - a) Adductor canal block
 - b) Neuropathic pain
7. Write short on: **10**
 - a) Stellate Ganglion Block
 - b) Management of Trigeminal Neuralgia
8. Describe the role of Ultrasound in anesthesia practice. Describe the technique of erector spinae plane block using USG. **10**
9. Describe the anesthetic considerations and management of 18-year-old male with a fixed flexion deformity posted for post burn contracture neck release. **10**
10. Write in detail the anesthetic concerns of LASER surgery. **10**