

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
WARANGAL, TELANGANA STATE – 506 002**

M.D/ M.S DEGREE SUPPLEMENTARY EXAMINATIONS: MAY.,2025

**ANAESTHESIOLOGY
PAPER – IV
(PRINCIPLES AND PRACTICE OF ANAESTHESIOLOGY)**

Time: 3 Hours

Max Marks: 100

Note: Answer all questions

Give Diagrammatic representation wherever necessary

Write a short essay on the following:

10 X 10 = 100

1. Discuss anaesthetic management and issues related to management of 70 years old chronic smoker posted for TURP.
2. What is the role of simulation for training and evaluation of anaesthesia residents? What are its major advantages and disadvantages? (5+5)
3. Describe in brief the intrinsic and extrinsic pathways of coagulation. Add a note on blood transfusion reactions. (5+5)
4. Give a brief account of muscle relaxants used in anaesthesia. Discuss causes of delayed recovery after use of muscle relaxants. (5+5)
5. Discuss gate control theory of pain. Write in brief about various modalities of postoperative pain relief. (5+5)
6. Write a note on newer oral hypoglycaemic agents. Describe their interaction with anaesthetic drugs. (5+5)
7. Discuss the pathophysiology changes in burns. Briefly discuss role of anaesthesiologist in management of burns. (5+5)
8. Discuss the perioperative causes of pulmonary edema. Add a note on treatment of thyroid storm. (5+5)
9. What is fast-tracking concept after ambulatory anaesthesia? Enumerate criteria used to determine fast-track eligibility after ambulatory anaesthesia. (5+5)
10. Enumerate various positions used for surgical approach to infratentorial intracranial tumours. Discuss complication associated with sitting position. Also discuss diagnosis and management of venous air embolism. (2+2+3+3)
