

QP Code:104101

Reg. No.:.....

**PG Degree Regular/Supplementary Examinations in Anaesthesiology
(M.D) November 2025**

Paper IV – Recent Advances, Intensive Care and Pain Medicine

Time: 3 hrs

Max marks:100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay: (20)

1. Discuss the problems and their anaesthetic implications of a 40-year-old morbidly obese patient scheduled for gastric banding.

Short essays: (8x10=80)

2. What is Golden hour in trauma. Explain the role of anaesthetist in trauma management.
3. Describe the criteria and neurological tests for brainstem death and preparing the patient for organ donation.
4. Briefly outline the management of chronic pain.
5. What is the principle used in ultrasound scanning. Describe the applications of ultrasound in anaesthesia and intensive care.
6. Discuss briefly the clinical features, diagnosis and management in a case of Organophosphorus poisoning.
7. Write about Cardio Pulmonary Resuscitation (CPR) and enumerate the recent trends.
8. Describe in detail about various modes of mechanical ventilation. How do you wean a patient from artificial ventilation.
9. What are the problems with acute exposure to high altitude. Discuss briefly the anaesthetic considerations at high altitude.
