

QP Code: 101101

Reg. No.:.....

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

Paper I – History, Basic Sciences & Equipments

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. Describe the anatomy of bronchopulmonary segments with a diagram. Describe the distribution of ventilation and perfusion of lung based on West's classification. Enumerate the various positions for lung drainage in bronchiectasis (5+10+5)

Short essays:

(8x10=80)

2. PIN index safety system.
3. Anatomy of hepatic blood flow and hepatic arterial buffer response.
4. Oxygen flux and oxygen dissociation curve.
5. Infraclavicular brachial plexus block.
6. Physical principles of Intra Arterial Blood Pressure (IABP) monitoring and complications of IABP.
7. Compare and contrast propofol and ketamine.
8. Avagadros law and its anaesthetic applications.
9. John Snow.
