

QP Code: 101101

Reg. No.:.....

**PG Degree Regular/Supplementary Examinations in Anaesthesiology
(M.D) January 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 cerebral circulation with a diagram. Describe the effects of intravenous and inhalational anaesthetic agents on cerebral circulation and intracranial pressure. Describe the mechanism of cerebral autoregulation.

Short essays:

(8x10=80)

2. Tec 6 vaporizer
3. Compensatory mechanisms in metabolic acidosis
4. Oxygen cascade and its anaesthetic implications
5. Cervical plexus block
6. Capnography
7. Atracurium and cis atracurium
8. Describe Henry's and Charles law and enumerate their applications in anaesthesia
9. Sir Ivan Magill
