

QP Code: 101101

Reg. No.:.....

**PG Degree Regular/Supplementary Examinations in
Anaesthesiology (MD) May 2021**

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. Classify breathing circuits. Describe the arrangement of components in circle system using diagram. Write a note on carbondioxide absorbents and indicators.
(5+10+5)

Short essays:

(8x10=80)

2. Enumerate the causes of intraoperative hypothermia. Write briefly on its effects and preventive measures
3. Clinical tests for autonomic dysfunction and their anaesthetic significance
4. Define Minimum Alveolar Concentration (MAC) of inhalational agents. Factors affecting MAC (Minimum Alveolar Concentration).
5. Placental transfer of drugs
6. Describe plasma sterilization
7. Perioperative uses of Magnesium sulphate (MgSO₄)
8. Describe with diagram, the working of pulse oximeter and mention its clinical significance.
(5+5)
9. August Bier
