

QP Code:101176

Reg. No.:.....

**P.G. Diploma Supplementary Examinations in Anaesthesiology (DA)
November 2021**

Paper I - Basic Sciences as Applied to Anaesthesiology

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. Explain the formation and course of brachial plexus, enumerate different approaches to brachial block, explain the axillary block with the help of diagram shown in relation to the nerve blocked. (5+5+10)

Short essays:

(8x10=80)

2. With the help of a diagram, explain Oxygen hemoglobin dissociation curve. Discuss factors affecting the shift and ODC to either side and highlight its clinical significance (5+5)
3. Bedside pulmonary function tests and their anaesthetic implications.
4. Boyle's law and its anaesthetic implications.
5. First public demonstration of ether.
6. Alpha2 agonists in anaesthesia.
7. Describe thyroid function tests with its anaesthetic implication.
8. Describe the components of soda lime and describe the chemical reactions taking place in the soda lime.
9. Total intravenous anaesthesia.
