IMPORTANT INSTRUCTIONS

- This question paper consists of 10 questions divided into Part ‘A’ and Part ‘B’, each part containing 5 questions.
- Answers to questions of Part ‘A’ and Part ‘B’ are to be strictly attempted in separate answer sheet(s) and the main + supplementary answer sheet(s) used for each part must be tagged separately.
- Answers to questions of Part ‘A’ attempted in answer sheet(s) of Part ‘B’ or vice versa shall not be evaluated.
- Answer sheet(s) of Part ‘A’ and Part ‘B’ are not to be tagged together.
- Part ‘A’ and Part ‘B’ should be mentioned only on the covering page of the respective answer sheet(s).
- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space.
- Do not leave any blank pages between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

PART A

Write short notes on:

1. a) Anatomy of stellate ganglion.
   b) Technique of stellate ganglion block.
   c) Enumerate complications of stellate ganglion block.

2. a) Draw the “classical coagulation cascade”.
   b) Methods of perioperative coagulation monitoring.

3. Various patient positions during anaesthesia and their complications.


5. a) What are alpha 2 agonists?
   b) Pharmacodynamic properties of alpha 2 agonists and their uses in anaesthesia.

P.T.O.
Please read carefully the important instructions mentioned on Page ‘1’

- Answers to questions of Part ‘A’ and Part ‘B’ are to be strictly attempted in separate answer sheet(s) and the main + supplementary answer sheet(s) used for each part must be tagged separately.
- Answers to questions of Part ‘A’ attempted in answer sheet(s) of Part ‘B’ or vice versa shall not be evaluated.

**PART B**

6. a) Enumerate various supra glottic airway devices.  
   b) Tabulate the differences between Proseal LMA and I-gel airway.  
   4+6

7. a) What are Bohr effect and Haldane effect?  
   b) Their role in carbon dioxide transport in the body.  
   (3+3)+4

8. a) Pharmacokinetics and pharmacodynamics of etomidate.  
   b) Role of etomidate in anaesthesia.  
   (4+4)+2

9. a) CVP waveforms and their correlation with ECG with the help of a diagram.  
   b) Diagnostic significance of CVP waveform.  
   5+5

10. Differentiate between parametric and non-parametric tests of significance.  
    5+5

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