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.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

PART A

Write short notes on:

1. With the help of diagrams, explain the various patterns of nerve stimulation used for neuro-muscular (N-M) monitoring during anaesthesia practice.  
2. a) What is minimum alveolar concentration (MAC)?
   b) Factors which affect the alveolar concentration of an inhalational agent.
3. a) Mechanism of action and pharmacokinetics of propofol.
   b) Its effect on various organ system and its clinical use. 
4. a) Pathway of oculo-cardiac reflux during ophthalmic surgery, and its intraoperative management.
   b) Enumerate the various component of Glasgow Coma Scale and its role in classifying severity of traumatic brain injury.
5. A 20 years old male is scheduled for amputation of traumatic toes. Describe the various nerve blocks at the ankle.

P.T.O.