ANAESTHESIOLOGY

PAPER – II

ANS/D/15/01/II

Time : 3 hours
Max. Marks : 100

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. — 10

2. a) What is minimum alveolar concentration (MAC)? — 2
   b) Factors which affect the alveolar concentration of an inhalational agent. — 8

3. a) Mechanism of action and pharmaco-kinetics of propofol. — (2+3)+(3+2)
   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. — (3+2)+(3+2)
   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. — 10

P.T.O.