

**ANAESTHESIOLOGY**

PAPER-IV

TIME: 3 HOURS  
MAX. MARKS: 100

ANS/J/18/01/IV

**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 question(s) of Part A attempted in answer sheet(s) of part B or Vice versa shall not be evaluated.
- Answer sheets 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 sheets.
- 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.

**Write short notes on:**

**PART A**

1. What are simulators? Describe different types of simulators and their role for medical education, training and research. 2+8
2. a) Visual Analogue Scale (VAS) and its interpretation. 5+5  
b) Adjuvants in regional anaesthesia for paediatric patient.
3. Concerns and anaesthetic management for robotic surgery. 4+6
4. a) Stroke volume variations and its anaesthetic implications. 5+5  
b) Enumerate complications of Central Venous Cannulation.
5. Define asystole. Describe the “algorithm” with the help of a flowchart for a patient who develops ‘asystole’ during laparotomy under general anaesthesia. 2+8

**ANAESTHESIOLOGY**

PAPER-IV

**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 sheets and the main + supplementary answer sheets used for each part must be tagged separately.
- Answers to question(s) of Part A attempted in answer sheets of Part B or vice versa shall not be evaluated.

**PART B**

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|-----|--|-----|
| 6.  | a) Liposomal bupivacaine.  | 5+5 |
|     | b) Inhaled nitric oxide.   |     |
| 7.  | Guidelines for assessment and management of nutrition support in a critically ill adult patient with cerebrovascular stroke on RT feeding. | 4+6 |
| 8.  | a) Hypo-proteinaemia and anaesthetic agents.   | 5+5 |
|     | b) Techniques of induced hypotension   |     |
| 9.  | a) Role of anaesthesiologists in palliative care medicine.   | 5+5 |
|     | b) Pressure support ventilation  |     |
| 10. | a) Regional anaesthesia and low molecular weight heparins.   | 5+5 |
|     | b) Sniffing v/s Ramped positions for intubation.   |     |

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