

ANAESTHESIOLOGY
PAPER-I

TIME: 3 HOURS
ANS/J/19/01/I
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 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. a) Anatomy of brachial plexus with diagram. b) What are the different approaches for giving brachial plexus block? c) Approach of brachial plexus block for a patient listed for shoulder surgery. | 4+2+4 |
| 2. a) Describe oxygen dissociation curve. Draw a neat diagram. b) Factors affecting oxygen dissociation curve. | 4+6 |
| 3. Various techniques to monitor use of neuromuscular blocking agents during anaesthesia. | 10 |
| 4. a) Nerve supply of foot with diagram. b) Technique of ankle block. | 5+5 |
| 5. a) Factors determining intracranial pressure (ICP). b) Preoperative preparation and anesthetic management of a patient of extradural haematoma with raised ICP for emergency craniotomy. | 4+6 |

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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

- | | | |
|-----|---|-----|
| 6. | a) Classify intravenous anaesthetic agents. | 3+7 |
| | b) Compare Thiopentone sodium and Propofol in tabular form. | |
| 7. | a) Anatomy of coronary circulation with diagram. | 4+6 |
| | b) Factors determining oxygen demand and supply of myocardium in a patient of coronary artery disease scheduled for laparotomy. | |
| 8. | a) What are the coaxial breathing circuits? | 4+6 |
| | b) Functional analysis of Bain's Circuit. | |
| 9. | a) Students 't' test. | 5+5 |
| | b) Calculation of sample size for research study. | |
| 10. | a) Informed consent. | 5+5 |
| | b) How will you counsel the father of a brain dead patient lying in an ICU for organ donation? | |
