

**ANAESTHESIOLOGY****PAPER-II**

TIME: 3 HOURS  
MAX. MARKS: 100

ANS/D/20/01/II

**IMPORTANT INSTRUCTIONS**

- You are provided with 5 answer sheet booklets. Each individual answer sheet booklet consists of 10 pages excluding the covering jackets.
- This question paper consists of 10 short note questions. Question paper is divided into 5 Parts - A, B, C, D and E, each part containing 2 questions.
- Answers to questions of part A, part B, part C, part D & part E are to be strictly attempted in a separate answer sheet booklet which must be later tagged together at the end of the exam.
- No additional supplementary answer sheet booklet will be provided.
- Answers to question(s) attempted on an answer sheet booklet for a different part will not be evaluated.
- Part A/Part B /Part C/Part D/Part E should be mentioned on the covering page of the respective answer sheet booklet.
- 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.

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**PART A****IMPORTANT INSTRUCTIONS**

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Write short notes on:

**PART A**

1. a) Explain the anatomy of brachial plexus with the help of a diagram. 5+5  
b) Name the various approaches to brachial plexus and explain any one of them.
2. a) Classify oxygen delivery devices giving examples. 5+5  
b) What is the importance of central venous oxygen saturation (SVO<sub>2</sub>) in clinical practice?

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**PART B****IMPORTANT INSTRUCTIONS**

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Write short notes on:

**PART B**

3. Rifles criteria in acute renal injury. 10
4. a) What is permissive hypercapnia? 5+5  
b) Enumerate the strategies to be adopted to decrease the operation theatre pollution.

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**PART C****IMPORTANT INSTRUCTIONS**

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**Write short notes on:****PART C**

5. a) Draw a neat labelled diagram of neuromuscular junction. 4+4+2  
b) What are the types of neuromuscular blocking agents?  
c) Phase 2 block.
6. a) Enumerate factors that increase the intracranial pressure. 5+5  
b) List the pharmacological methods to reduce the ICP intraoperatively in a patient undergoing craniotomy.

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**PART D****IMPORTANT INSTRUCTIONS**

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Write short notes on:

**PART D**

7. Principles of management of a young diabetic in ketoacidosis, brought to the emergency department. 10
8. a) What is the point of care coagulation testing and its importance in peri-op period? 5+5  
b) Blood components and its uses.

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**PART E****IMPORTANT INSTRUCTIONS**

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- Answers to question(s) attempted on an answer sheet booklet for a different part will not be evaluated.
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Write short notes on:

**PART E**

- |     |   |     |
|-----|---|-----|
| 9.  | a) Jet ventilation - techniques & complications.<br>b) TIVA - techniques and drugs commonly used. | 5+5 |
| 10. | Guidelines for segregation of biomedical waste and disposal.                                      | 10  |

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