

**ANAESTHESIOLOGY**

**PAPER-IV**

TIME: 3 HOURS  
MAX. MARKS: 100

ANS/D/20/01/IV

**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**

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**Write Short notes on:**

**PART - A**

1. a) HFNO – High Frequency Nasal Oxygenation 5+5  
b) Oral Xa inhibitors.
2. Newer Ventilatory modes for ARDS. 10

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**PART-B**

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**Write Short notes on:**

**PART - B**

3. a) Enumerate CT changes in Covid-19. 5+5  
b) Protocol for management of Covid-19 pneumonia.
4. a) Sugammadex. 5+5  
b) Angiotensin 2 agonist.

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**PART- C**

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**Write Short notes on:**

**PART – C**

5. a) Define chronic pain. 2+8  
b) Discuss the different modalities to manage cancer pain.
6. A 40-year old male with post gunshot wound to the left lower extremity presented with severe pain and trophic skin changes of the left foot. What is your diagnosis and how would you manage this patient? 2+8

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**PART- D**

**IMPORTANT INSTRUCTIONS**

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**Write Short notes on:**

**PART – D**

7. What are the indications for a coeliac plexus block? Describe one approach and the complications of this technique. 2+(4+4)
8. Define transfusion related acute lung injury (TRALI). Discuss its pathogenesis and management. 2+(4+4)

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**PART- E**

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Write Short notes on:

**PART – E**

9. What is evidence-based medicine? How would you apply the process to your clinical practice? 10
10. A 75-year old woman with herpes zoster of the right side of the face is referred to you for pain treatment. 3+3+4
- a) How will you evaluate and treat her?
  - b) She has thoracic lesions. What is your treatment?
  - c) Will pain relief influence the course of her infection and neuralgia? Explain.

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