

ANAESTHESIOLOGY
PAPER-IV

TIME: 3 HOURS
MAX. MARKS: 100

ANS/J/19/01/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 is neuropathic pain? Discuss various interventional pain management technique for neuropathic pain. | 4+6 |
| 2. What is the cause of hypoxemia in an acute respiratory distress syndrome (ARDS)? Describe protocol for lung protective ventilation in ARDS . | 5+5 |
| 3. Prepare a TPN regimen for a 52-year-old female patient of body weight 60kg. She is not malnourished and has no volume restriction. | 10 |
| 4. What are various modalities of providing extracorporeal life support? How will you provide extracorporeal membrane oxygenation (ECMO) in a patient of severe hypoxemia following H1N1 infection? | 5+5 |
| 5. Describe pulmonary artery catheter with diagram. What are various techniques of measuring cardiac output? | 5+5 |

P.T.O.

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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. | How will you maintain a brain dead organ donor in ICU awaiting harvesting of organs for transplantation? | 10 |
| 7. | Pathophysiology and management of postoperative visual loss. | 5+5 |
| 8. | What are various techniques to monitor depth of anaesthesia? Discuss bispectral index (BIS) and its usage during anaesthesia. | 5+5 |
| 9. | Write guidelines for managing anti-platelets agents and anticoagulants in patients requiring neuraxial blockade. | 10 |
| 10. | a) Newer insulin
b) Gantacurium | 5+5 |
