



ANAESTHESIOLOGY

PAPER – I

ANS/J/14/01/1

Time : 3 hours

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 questions of Part 'A' attempted in answer sheet(s) of Part 'B' or vice versa shall not be evaluated.
- Answer sheet(s) 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 sheet(s).
- 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.

PART A

1. What is the principle used in ultrasound scanning? Describe the applications of ultrasound in anaesthesia and intensive care. 2+(5+3)
2. What are the objectives of preoperative anaesthesia check up in a patient scheduled for elective surgery? What is American Society of Anaesthesiologists (ASA) Physical Status Classification? 5+5
3. What are the predictors of difficult mask ventilation? Write an algorithm/plan to manage a patient with predicted difficult mask ventilation. 3+7
4. What is Oxygen flux? Draw oxygen haemoglobin dissociation curve and enumerate the factors producing leftward and rightward shift of the curve. 2+(4+2+2)
5. Classify opioids according to their action on opioid receptors. Compare and contrast fentanyl and remifentanyl. 6+4