

ANAESTHESIOLOGY

PAPER – II

ANS/J/17/01/II

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.*

Write short notes on:

PART A

1. A 36 year old diabetic with poorly controlled blood sugar and Hb A_{1c} of 7.2 is posted for removal of an infected toe nail. (2+2)+(4+2)
 - a) Which type of regional anesthesia technique would be ideal for this patient and why?
 - b) Technique of regional anesthesia and enumerate the nerves involved.
2.
 - a) What are the pain assessment tools available for assessment of post operative pain? 4+(3+3)
 - b) Special methods for assessment of pain in children and the non-communicating adult.
3.
 - a) What is the mechanism of action of neuraxial opioids? 4+2+4
 - b) Which is the ideal opioid for epidural use and why?
 - c) What are the advantages and side effects of use of neuraxial opioids?
4.
 - a) What is the principle used in ultrasonography? 4+6
 - b) What are the clinical uses of ultrasonography in anaesthesia practice?
5. What are the anaesthetic considerations in a 26 year old lady with 28 weeks pregnancy posted for laparoscopic appendicectomy? 10

P.T.O.

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Please read carefully the important instructions mentioned on Page ‘1’

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PART B

6. While performing an epidural block, there was an accidental dural puncture: 3+3+4
- a) What are the various options available to the anesthesiologist in this situation?
 - b) List the various methods for prevention of post dural puncture headache.
 - c) Management of post dural puncture headache.
7. 3+3+4
- a) What is rapid sequence induction (RSI)?
 - b) What are the indications of RSI?
 - c) What are the possible pitfalls and precautions to be taken while planning for RSI?
8. 4+6
- a) Myocardial protection during Cardio-pulmonary bypass.
 - b) Ovarian hyperstimulation syndrome: Enumerate clinical features & give treatment outline.
9. 2+4+4
- a) What is diastolic dysfunction?
 - b) How should we evaluate for diastolic dysfunction in the pre-operative period?
 - c) What are its implications to the anaesthesiologist?
10. 5+5
- a) Management of post tonsillectomy bleed.
 - b) Transversus abdominis plane block: Technique and indications
