

**ANAESTHESIOLOGY**

PAPER – I

ANAES/J/16/01/I

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) Pharmacokinetics and pharmacodynamics of ropivacaine. (3+3)+4  
b) Compare ropivacaine with bupivacaine and levobupivacaine.
2. Clinical features, diagnostic criteria and management of snake bite poisoning. 3+3+4
3. a) What are the indications of caudal epidural in pediatric patients undergoing surgery? 2+(4+4)  
b) Its technique and complications.
4. a) What are anaesthesia vaporizers? 2+4+4  
b) How are these classified?  
c) Physical principles in their functioning.
5. Differentiate between parametric and non-parametric tests for statistical significance. 10

**P.T.O.**