

ANAESTHESIOLOGY

PAPER – IV

ANA/J/17/01/IV

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. Principles involved in weaning a patient from ventilatory support in an ICU. 10
2. a) Simulators in anesthesia. 5+5
b) Safety features in an anesthesia workstation.
3. a) What is the International Association for Study of Pain (IASP) definition of pain? 2+2+6
b) Classify pain.
c) Interdisciplinary management of pain.
4. What are the problems with acute exposure to high altitude? 5+5
Outline the anesthetic concerns.
5. Role of the following in a patient of Swine Flu: 5+5
a) Extra-Corporeal Membrane Oxygenator (ECMO).
b) High Frequency Oscillatory Ventilation

P.T.O.

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

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PART B

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| 6. Pathophysiology, signs & symptoms, and management of cyanide poisoning. | 3+3+4 |
| 7. Anesthetic concerns for organ transplanted patient. | 10 |
| 8. Pathophysiology and management of drowning patient. | 10 |
| 9. a) Deep vein thrombosis and preventive strategies.
b) Classify β -blockers and mention their benefits in subjects of Ischemic Heart Disease (IHD) scheduled for surgery. | 5+5 |
| 10. a) Various techniques adopted for neuro-muscular monitoring during anesthesia.
b) Enumerate the advantages and limitations of these techniques. | 7+3 |
