

**ANAESTHESIOLOGY**

PAPER – I

**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 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.*

**PART B**

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|------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| 6. Anatomical differences in the airway and the differences in respiratory physiology between a neonate and an adult.                    | 5+5       |
| 7. a) Enumerate the buffer systems in the body.<br>b) Renal compensation for metabolic acidosis.                                         | 3+7       |
| 8. Pharmacodynamic effects of etomidate on cardiovascular, respiratory, endocrine, central nervous and hepato-renal systems in the body. | 2+2+2+2+2 |
| 9. a) Define obstructive sleep apnoea.<br>b) Pathogenesis, diagnosis and anaesthetic implications of obstructive sleep apnoea.           | 2+(2+2+4) |
| 10. a) What are the ECG changes caused by hyperkalaemia?<br>b) How is intra-operative hyperkalaemia treated?                             | 4+6       |

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