

**ANAESTHESIOLOGY**

**PAPER – IV**

**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**

6. What are alpha 2 agonists? Discuss the pharmacodynamics and anaesthetic uses of alpha 2 agonists. 2+(3+5)
7. What are the recent advances in Pulse Oximetry? Briefly describe the multiwave length and reflectance Pulse Oximetry. 2+(4+4)
8. Describe the salient features of the cardiopulmonary resuscitation as per AHA 2010 guidelines. 10
9. How would you prescribe total parenteral nutrition to a 50 kg patient in ICU? Briefly mention the monitoring of this patient. 8+2
10. Discuss the pathophysiology of traumatic hemorrhagic shock. Enumerate the goals, advantages and disadvantages of early and late resuscitation practice. 4+6

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