

ANAESTHESIOLOGY

PAPER – IV

ANAES/APRIL/16/01/IV

Time : 3 hours

Max. Marks : 100

Important instructions:

- *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:

1. a) What is “Fluid Responsiveness”? 3+7
b) Various static and dynamic indices of fluid responsiveness.
2. a) What are the indicators of organ perfusion? 2+8
b) ICU management of a patient, operated for perforation peritonitis with septic shock.
3. Rationale of various initial ventilatory settings in patients with severe obstructive and restrictive disease. 5+5
4. a) Propofol infusion syndrome. 5
b) Refeeding syndrome. 5
5. What is base excess/deficit? How do the kidneys compensate for acid-base imbalance? 10
6. What are the indications and approaches of sciatic nerve block? Explain any one technique. (2+2)+6
7. Draw a diagram to show various lung volumes & capacities. How does a spirometry permit classification of pulmonary dysfunction as an obstructive defect or restrictive defect? 6+4
8. Diagnosis, management and prophylaxis of deep vein thrombosis. 3+4+3
9. What are the priorities in trauma care? How would you evaluate the patient by Glasgow Coma Scale? 4+6
10. Define hyperkalemia and enumerate its causes. Describe the signs & symptoms, ECG diagnosis and management of a patient with serum potassium levels of 6.5 mEq/L. (1+2)+7
