

ANAESTHESIOLOGY

PAPER – II

ANAES/APRIL/16/01/II

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. Describe briefly physiologic changes during aortic cross clamping and unclamping during vascular surgery. Which therapeutic interventions can minimize these effects? 5+5
2. Enumerate the anticipated problems in an adult patient with: 5+5
 - a) Scoliosis at thoracic level.
 - b) 2 days old smoke inhalational injury.
3. Post resuscitation care in a patient revived after cardio-respiratory care. 10
4. a) Oxygen cascade (with diagram) & its implications. 5+5
b) Anaesthetic management of Post-partum Hemorrhage (PPH).
5. a) Define and classify respiratory failure. (2+3)+5
b) Berlin definition of Acute Respiratory Distress Syndrome (ARDS).
6. Various patterns of nerve stimulation in neuromuscular monitoring and their interpretation with the help of diagram(s). 10
7. a) Remifentanil. 5+5
b) Sevoflurane versus halothane.
8. a) Context-sensitive half life (or half time). 5+5
b) Compare sodium nitroprusside and nitroglycerine.
9. a) Role of mixed (and/or) central venous oxygen saturation measurement in ICU (Intensive Care Unit). 5+5
b) Indications & contraindications of parenteral nutrition in ICU.
10. Indications, contraindications, advantages, complications and various techniques of performing percutaneous tracheostomy. 2+2+2+2+2
