

THORACIC SURGERY

PAPER-III

TH. SURG./D/18/51/III

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) Pneumoplegia. 5+5
b) Status of lung transplant in India.
2. a) Indications and instrumentations of Video assisted thoracic surgery (VATS). 5+5
b) Description of various types of surgical incisions of chest.
3. a) Role of Robotics in thoracic surgery. 5+5
b) Use of surgical staplers in lung operations.
4. a) Principle and uses of Endo bronchial ultrasound (EBUS). 5+5
b) Indications for lung volume reduction surgery and the technique.
5. a) Pathophysiology of sleep apnoea syndrome and its management. 5+5
b) Virtual bronchoscopy technique and its uses.
6. a) Technique of establishing extra corporeal membrane oxygenator (ECMO). 5+5
b) Application of ECMO in non-cardiac surgeries.
7. a) Types of bio glue and their clinical use. 5+5
b) Etiology and management of chylothorax.
8. a) Organ care system for lung transplant. 5+5
b) Multi drug resistant tuberculosis – definition and management.
9. a) Staging the lung cancer and its management algorithm 5+5
b) Sleeve pulmonary resection – techniques and indications.
10. a) Types of esophageal motility disorders and their management. 5+5
b) Management of benign esophageal tumours.
