

**THORACIC SURGERY**

**PAPER-I**

TH. SURG/D/19/51/I

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) Embryology of lung and tracheo-bronchial tree. 5+5  
b) Type II pneumocytes.
2. a) Kartagener's syndrome. 5+5  
b) Tracheostomy.
3. a) Pulmonary function tests. 7+3  
b) PEEP.
4. a) Tracheal anatomy. 6+4  
b) Bronchogenic cyst.
5. a) Fungal ball in the lung. 4+6  
b) VATS.
6. a) Definition, pathophysiology and management of pneumothorax. 6+4  
b) Management of ARDS.
7. a) Endobronchial ultrasound (EBUS): Uses and indications. 3+3+4  
b) Ventilation-perfusion scan.  
c) Lymph node stations in the mediastinum and thoracic cavity.
8. a) Pulmonary hypertension in chronic pulmonary diseases. 5+3+2  
b) Aberrant subclavian artery.  
c) Recurrent laryngeal nerve.
9. a) Pectus carinatum. 6+4  
b) Azygos lobe.
10. a) Anatomic consideration/clinical presentation and management of diaphragmatic injuries. 6+4  
b) Sternal fractures.

\*\*\*\*\*