

**THORACIC SURGERY**

**PAPER-III**

TH. SURG/D/19/51/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) Post-operative management in single lung transplant, immunosuppressive drugs, and follow-up. 8+2  
b) Perfadex-solution.
2. a) Indication and contraindication of ECMO (Extra Corporeal Membrane Oxygenator). 7+3  
b) Role of ECMO in Non-Cardiac surgeries.
3. a) Digital Portable Chest drainage systems. 6+4  
b) Role of Bio glue in Thoracic surgery.
4. a) DLET (Double Lumen Endobronchial Tube). 7+3  
b) Bronchial blockers.
5. a) Malignant secondaries in lung. 5+5  
b) Stereotactic Radio surgery in NSCLC.
6. a) Virtual Bronchoscopy. 3+3+4  
b) Role of esophageal pressure measurement in patients with Acute Respiratory Distress Syndrome(ARDS).  
c) Esophageal motility study (Manometry) of esophageal diseases.
7. a) Indication and techniques of Sleeve Lobectomy. 5+5  
b) Lung Volume Reduction Surgery(LVRS).
8. a) Management of solitary pulmonary nodule. 5+5  
b) Histoplasmosis - Definition and management.
9. a) Organ Care System(OCS) and donor procurement in single Lung transplant. 8+2  
b) INSPIRE-Trial.
10. a) Pulmonary Sequestration - Definition and management. 5+5  
b) Pulmonary Arteriovenous Malformation - Definition and management.

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