

**THORACIC SURGERY**

PAPER-III

TH.SURG./J/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) Indications of single lung transplant. 3+7  
b) Diagnosis, classification, grading and management of rejection in lung transplantation.
2. a) Role of VATS in management of pleural diseases. 5+5  
b) Technique and current status of single port VATS lobectomy.
3. a) Describe various types of tissue sealants used in thoracic surgery. 5+5  
b) Completion pneumonectomy.
4. a) Describe equipment, technique and indications of esophageal ultrasound (EUS) in thoracic surgery. 5+5  
b) Techniques and role of EBUS-TBNA (Endo-bronchial ultrasound-trans-bronchial needle aspiration) in lung cancer.
5. a) Discuss sleep lab with respect to equipment and indications for sleep study. 5+5  
b) Discuss 4-D CT scan with respect to definition and uses in thoracic surgery.
6. a) Discuss various types of ECMO and its indications in thoracic surgery. 5+5  
b) Management of congenital diaphragmatic hernia.
7. a) Describe various types of staplers used in thoracic surgery. 5+5  
b) Describe double lumen endotracheal tube, types and indications.
8. a) Newer drugs for treatment of tuberculosis. 5+5  
b) Noncardiogenic pulmonary oedema.
9. a) Role of manometry in diagnosis of esophageal disorders. 5+5  
b) Diagnosis and management of reflex esophagitis.
10. a) Blood supply of Trachea. 3+3+4  
b) Classification of tracheobronchial tumours.  
c) Management of Carinal tumour.

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