

**THORACIC SURGERY**

**PAPER-I**

TH. SURG./D/18/51/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) Types of chest wall deformities and their clinical significance. 5+5  
b) What ectopia cordis means and its management?
2. Definition, etiopathogenesis and management of: 5+5  
a) Adult respiratory distress syndrome (ARDS).  
b) Acute Lung injury (ALI).
3. a) Enlist the congenital lesions of trachea 3+7  
b) Pathophysiology of tracheomalacia and its management.
4. a) Description of various parameters of pulmonary function tests (PFT) with 6+4  
the normal values.  
b) Role of PFT in preoperative evaluation for pneumonectomy.
5. Describe rigid bronchoscopy with respect to: 4+4+2  
a) Indications and contraindications.  
b) Instrumentation and procedure.  
c) Complications.
6. a) Role of CT Scan in the evaluation of lung diseases. 5+5  
b) FNAC and open biopsy of suspected lung tumor.
7. a) Indications and types of thoracoplasty. 6+4  
b) Management of osteomyelitis of rib.
8. a) Types of chest injuries and their clinical presentations. 6+4  
b) How would you manage a case of tension pneumothorax?
9. a) Principle and clinical application of ventilation perfusion (VP) scan. 5+5  
b) Role of VP scan in pulmonary thromboembolism (PTE).
10. a) Definition of surgical site infection (SSI). 3+4+3  
b) Clinical presentation of mediastinitis.  
c) Management of deep sternal wound infection.

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