

THORACIC SURGERY

PAPER-I

TH.SURG./J/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) Bronchopulmonary segments. 5+5
b) Lymphatic drainage of lungs.
2. Diagnosis and management of: 5+5
a) Congenital cystadenoma of lung
b) Sequestration of lung
3. a) Physiology of carriage of oxygen in the blood including oxygen 5+5
dissociation curve.
b) Ventilation-perfusion mismatch.
4. a) Role of Cardio Pulmonary Bypass (CPB) in thoracic surgery. 5+5
b) Differential lung function.
5. Describe positron emission tomography (PET) with respect to: 3+3+4
a) Mechanism of FDG uptake
b) Instrumentation and procedure
c) Role in lung cancer
6. a) Definition, pathophysiology and management of Flail chest. 5+5
b) Indications of thoracotomy in blunt trauma chest
7. a) Cardiac anomalies associated with Pectus excavatum. 5+5
b) Etiology and management of Chylothorax.
8. a) Multi drug resistant tuberculosis. 5+5
b) Diagnostic uses of VATS.
9. a) Virtual Bronchoscopy. 6+4
b) Role of rigid bronchoscopy in management of tracheo-
bronchial tumours.
10. a) Anatomy of First thoracic rib. 3+3+4
b) Dysphagia Lusoria.
c) Premalignant lesion of esophagus.
