

THORACIC SURGERY**PAPER-I**Time: 3 hours
Max. Marks:100

TH.SURG/D/20/51/I

Important Instructions:

- **You are provided with 5 answer sheet booklets. Each individual answer sheet booklet consists of 10 pages excluding the covering jackets.**
- **Answers to all the questions must be attempted within these 5 answer sheet booklets which must be later tagged together at the end of the exam.**
- **No additional supplementary answer sheet booklet will be provided.**
- 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) Discuss about the development of diaphragm. 5+5
b) Enumerate the various types of diaphragmatic hernia.
2. a) Illustrate with diagram about broncho-pulmonary segments. 4+6
b) Fibre optic bronchoscopy – Indications, technique and uses.
3. a) Explain about the bucket handle and pump handle movements of chest. 4+3+3
b) Fick's Law of diffusion.
c) Diffusing lung capacity for carbon monoxide.
4. a) Clinical significance of pulmonary function tests. 7+3
b) How will you predict the postoperative lung function after lung resection?
5. a) Pulmonary sequestration. 5+5
b) Pulmonary arteriovenous malformation.
6. a) Pectus excavatum. 5+2+3
b) Fallen lung sign of Kumpe.
c) Benefits of Endobronchial ultrasound.
7. a) Monod sign and its significance. 2+3+2+3
b) Phantom tumour of the lung.
c) Fleischner sign and Knuckle sign.
d) Catamenial pneumothorax.
8. a) Computerized tomography chest scoring of viral pneumonia. 5+5
b) Pathophysiology of bronchiectasis and its management.
9. a) Pulmonary mucormycosis. 5+5
b) Management of multidrug resistant pulmonary tuberculosis.
10. a) Immunosuppressive therapy after lung transplant. 5+5
b) Current TNM (Tumour-Node-Metastasis) staging in lung cancer.
