

**THORACIC SURGERY**

**PAPER-III**

Time: 3 hours  
Max. Marks:100

TH.SURG/D/20/51/III

**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) Living donor lobar lung transplantation – Indications, technique and outcome. 6+4  
b) Management airway complications after lung transplantation.
2. a) Robotic thymectomy. 4+6  
b) Sub-xiphoid versus conventional Video assisted thoracoscopic surgery.
3. a) Criteria for acceptability of donor lungs. 4+6  
b) Absolute and relative contraindications for lung transplantation.
4. a) Airway stents and conduits. 6+4  
b) Staples used in lung surgery.
5. a) Surgical approaches for cervical rib excision. 6+4  
b) Perfadex solution and its alternatives.
6. a) High flow oxygen therapy. 3+7  
b) Extracorporeal membrane oxygenation – Indications and uses in viral pneumonia and Thoracic Surgery.
7. a) Ravitch procedure. 4+6  
b) Congenital pulmonary airway malformation – diagnosis and treatment.
8. a) Chronic thromboembolic pulmonary hypertension – diagnosis and management. 6+4  
b) Sealants and adhesives in thoracic surgery.
9. a) Boerhaave's syndrome. 4+6  
b) Esophageal stents and conduits.
10. a) Gene therapy for lung cancer. 5+5  
b) Management of chylo-thorax.

\*\*\*\*\*