

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:

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