

**THORACIC SURGERY**

**PAPER-III**

Time: 3 hours  
Max. Marks:100

TH.SURG./J/20/51/III

**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) Operative procedure for hyperhidrosis. 5+5  
b) The "Molecular frozen section".
2. a) Zenker's diverticulum. 5+5  
b) Pulmonary AV fistula.
3. a) What is ECMO? 1+4+5  
b) What are its types?  
c) What are the basic essentials equipment used for this purpose?
4. What are the following and how are they evaluated? 5+5  
a) Cysts of the posterior mediastinum.  
b) Pancoast tumour.
5. a) COVID-19 precautions during thoracic surgery. 5+5  
b) Virtual bronchoscopy.
6. a) What are the indications of a combined heart and lung transplant? 5+5  
b) Outline the surgical strategies, including post-operative care.
7. a) What is the principle of high frequency lung ventilation? 3+2+5  
b) How is it practiced?  
c) What are its merits and demerits?
8. a) Role of familial factors in lung tumours. 3+2+5  
b) What are the common lesions?  
c) How are they managed?
9. a) Current concepts in the practices of lung transplantation. 6+4  
b) What is the status of lung transplant in India?
- 10 a) Diaphragmatic pacing. 3+4+3  
b) Uses of staplers in thoracic surgery.  
c) Legend in thoracic surgery - Griffith Pearson.

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