

QP Code:101509

Reg. No.:.....

**M.Ch. (Cardio Vascular and Thoracic Surgery) Degree Regular/Supplementary Examinations April 2025**

**Paper I – Basic Medical Sciences Relevant to Thoracic Surgery**

Time: 3 hrs

Max marks:100

- **Answer all questions to the point neatly and legibly** • **Do not leave any blank pages between answers**
- **Indicate the question number correctly for the answer in the margin space**
- **Answer all parts of a single question together** • **Leave sufficient space between answers**
- **Draw table/diagrams/flow charts wherever necessary**

**Essay:**

**(20)**

1. Classify the antiarrhythmic drugs with examples and describe their mode of actions, clinical effects, indications and adverse effects.

**Short essays:**

**(8x10=80)**

2. What are the criteria for rheumatic fever. What are the pathological effects of rheumatic fever on various organs
3. Describe pulmonary function tests performed prior to lung resections.
4. Describe the anatomy and function of the diaphragm briefly.
5. Define afterload and preload of the heart and describe the factors affecting them.
6. Describe the anatomical course of radial artery.
7. Describe the anatomy of the first rib.
8. Describe the origin and the course of thoracic duct
9. What are the factors affecting myocardial metabolism and describe the oxygen requirement in various states of the heart.

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