

QP Code:101509

Reg. No.:.....

**M.Ch. (Cardio Vascular and Thoracic Surgery) Degree  
Regular/Supplementary Examinations August 2021**

**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. Describe the embryology of lungs.

**Short essays:**

**(8x10=80)**

2. What are the structures of mediastinum. How is the mediastinum divided anatomically.
3. Describe the process of development of atherosclerosis and its pathophysiological effects.
4. Describe the lymphatic drainage of lungs and chest wall.
5. Describe the anatomical course of intercostal arteries and veins from their origin to end.
6. Compare the various inotropes used in postoperative cardiac care unit.
7. Describe the 17 segment model of level ventricle based on echocardiography.
8. Describe oxygen dissociation curve and its clinical implications.
9. Describe the pathophysiological effects of flail chest.

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