

Q P Code: 101509

Reg. No.:.....

**M.Ch. (Cardio Vascular and Thoracic Surgery) Degree Examinations
July 2019**

Paper I – Basic Medical Sciences Relevant to Thoracic Surgery

Time: 3 hrs

Max marks:100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essay:

(20)

1. Describe the embryology of the heart with respect to the formation of the chambers, inter atrial and inter ventricular septum and the valves.

Short essays:

(8x10=80)

2. Pulmonary function test.
3. Lymphatic drainage of lungs
4. Compare the actions and indications of the inotropes - adrenaline, nor adrenaline, dopamine and dobutamine
5. Anatomy of trachea.
6. Pathophysiology of mitral stenosis and radiological evidence of elevated left atrial pressure
7. Collateral circulation in coarctation of aorta
8. Anatomy of diaphragm and congenital diaphragmatic hernia
9. Right heart catheterization in congenital heart disease
