

**QP Code:101509**

**Reg.No.:.....**

**M.Ch. ( Cardio Vascular and Thoracic Surgery) Degree Examinations -  
July 2016**

**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 pathology, clinical features and diagnostic criteria for rheumatic fever. Explain the pathophysiological changes in the mitral valve apparatus in rheumatic mitral stenosis.

**Short essays:**

**(8x10=80)**

2. Myocardial protection techniques in cardiac surgery
3. Anatomy of the mediastinum
4. Surgical anatomy of esophagus
5. Comparison of the effects and indications of the vasodilators - Sodium nitroprusside and nitroglycerin
6. Surgical anatomy of sino-atrial node and atrio-ventricular node of heart.
7. Cardiac action potential
8. Pathophysiology of coronary artery disease
9. Classification of lung cancer and surgical management for T<sub>4</sub> disease.

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