

**B.Sc. CARDIAC TECHNOLOGY**  
(New Syllabus 2014-2015)

**SECOND YEAR**

**PAPER I – CLINICAL FEATURES AND TREATMENT RELEVANT TO  
CARDIAC TECHNOLOGY AND BASIC LIFE SUPPORT**

*Q.P. Code : 801531*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Describe basic life support and explain detail about approach to trauma patients?
2. Explain on cardiac dysrhythmias and heart block?
3. Discuss about aneurysms and its etiology, pathophysiology and clinical manifestation?

**II. Write Notes on:**

**(8 x 5 = 40)**

1. Initial management of myocardial infarction.
2. Ischemic heart disease.
3. List out the clinical manifestation of cardiac myopathy.
4. Approach to restless patient.
5. What is coronary artery disease and its treatment modalities?
6. Pathophysiology of Raynaud's disease.
7. Causes of congenital heart disease.
8. Describe pulmonary edema.

**III. Write Notes on:**

**(10 x 3 = 30)**

1. What is cardiac failure?
2. CPR.
3. Treatment of myocardial infarction.
4. Aneurism.
5. Post-op care for cardiac surgery.
6. Features of Rheumatic heart disease.
7. Angina pectoris?
8. Classification of cardiac emergencies.
9. What is cardiac output?
10. Etiology of Cardiogenic shock.

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