

**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. Define Heart failure, its classification, clinical features, treatment and complications.
2. Discuss in detail about cardiac tamponade its causes, clinical features and management.
3. Discuss the various steps involved in basic life support and significance of it.

**II. Write Notes on:**

**(8 x 5 = 40)**

1. Raynaud's phenomenon.
2. Classification of anti arrhythmic agents.
3. Define unstable angina. Mention the drugs used in managing angina.
4. Write a note on mitral stenosis.
5. Define syncope, causes and types.
6. Echocardiographic features of HCM.
7. Short note on viral myocarditis.
8. Classification of antihypertensive drugs.

**III. Write Notes on:**

**(10 x 3 = 30)**

1. Classification of congenital heart disease.
2. Approach to cardiogenic shock.
3. Thrombolytic agents.
4. Clinical features of severe Aortic stenosis.
5. Blood supply of the heart.
6. ECG features in complete Heart Block.
7. What is pericarditis? Mention its types.
8. Conduction system of the heart.
9. Mention cardiac biomarkers and their significance.
10. Mention the types of ASD (Atrial Septal Defect).

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