

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. Etiology, clinical features, diagnosis and treatment of atrial fibrillation.
2. Etiology, pathophysiology, diagnosis and treatment of cardiogenic shock.
3. Define heart failure, its classification, clinical features, treatment and complications.

II. Write Notes on:

(8 x 5 = 40)

1. Prinzmetal's angina.
2. Diagnosis of infective endocarditis.
3. Clinical features of mitral stenosis.
4. Clinical classification of pulmonary hypertension.
5. Clinical features of constrictive pericarditis.
6. Low molecular weight heparins.
7. Classification of anti-arrhythmic agents.
8. Cardiac biomarkers.

III. Write Notes on:

(10 x 3 = 30)

1. Illustrate coronary circulation.
2. Conduction system of the heart.
3. Name three thrombolytic agents.
4. List the major criteria for the diagnosis of acute rheumatic fever.
5. What is pulsus paradoxus?
6. List some causes for syncope.
7. Illustrate types of second degree heart block.
8. What is International normalized ratio?
9. List three bradyarrhythmias and provide diagrams of the same.
10. Management of ventricular fibrillation.
