

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 cardiac emergencies and detail about cardiac arrest?
2. Electro cardiographic features used in testing for diagnosis of coronary artery disease.
3. Define angina pectoris and explain etiology, pathophysiology, clinical manifestation, diagnosis and treatment modalities of Raynaud's disease?

II. Write Notes on:

(8 x 5 = 40)

1. Indication of heart block?
2. Cardio Pulmonary Resuscitation.
3. Post MI exercise testing indication and usefulness?
4. Treatment for cardio vascular disorders.
5. Approach to shock.
6. Airway management.
7. Describe the etiology, pathophysiology of valvular disorders of the heart?
8. Explain detail about congenital heart disease.

III. Write Notes on:

(10 x 3 = 30)

1. Anaphylaxis.
2. Safe transfer of patient to definitive care areas.
3. Initial management of shock.
4. Indication for cardiac tamponade.
5. Assessment of ventricular arrhythmias.
6. Drugs for endocarditis.
7. Physical assessment of artherosclerosis.
8. Treatment modalities of hypertension.
9. Syncope.
10. Diagnosis of CCF.
