

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 mitral stenosis.
2. Etiology, pathophysiology, diagnosis and treatment of pulmonary embolism.
3. Etiology, clinical features and management of constrictive pericarditis.

II. Write Notes on:

(8 x 5 = 40)

1. Classification of acute coronary syndrome.
2. Treatment of infective endocarditis.
3. Clinical features of aortic regurgitation.
4. Adult Basic Life Support Algorithm for healthcare providers.
5. Clinical features of cardiac tamponade.
6. Indications for heart transplantation.
7. Types of ventricular septal defect.
8. Management of complete heart block.

III. Write Notes on:

(10 x 3 = 30)

1. Give three examples for supraventricular tachycardias with line diagrams.
2. Management of hypertensive emergency.
3. Diagnostic criteria for acute rheumatic fever.
4. Neurocardiogenic syncope.
5. Classification of hypertension.
6. Mechanism of action of amiodarone.
7. Prothrombin time.
8. Venturi mask.
9. Components of Fallot's Tetralogy.
10. Endotracheal tube.
