

[AHS 0321]

MARCH 2021

Sub. Code: 1531

(AUGUST 2020 EXAM SESSION)

B.Sc. CARDIAC TECHNOLOGY

SECOND YEAR (Regulation 2014-2015)

**PAPER I – CLINICAL FEATURES AND TREATMENT RELEVANT TO
CARDIAC TECHNOLOGY AND BASIC LIFE SUPPORT***Q.P. Code : 801531***Time: Three hours****Answer ALL Questions****Maximum: 100 Marks****I. Elaborate on:****(3 x 10 = 30)**

1. Etiology, clinical features, diagnosis and treatment of aortic stenosis.
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. Diagnosis of unstable angina.
2. Diagnosis of infective endocarditis.
3. Clinical features of mitral regurgitation.
4. Evaluation of pulmonary hypertension.
5. Clinical features of constrictive pericarditis.
6. Indications for heart transplantation.
7. Types of atrial septal defect.
8. Management of atrial fibrillation.

III. Write Notes on:**(10 x 3 = 30)**

1. List three bradyarrhythmias and provide diagrams of the same.
2. Conduction system of the heart.
3. Define hypertensive emergency.
4. List the major criteria for the diagnosis of acute rheumatic fever
5. Classification of hypertension.
6. Name three etiologies for mitral stenosis.
7. Adult Basic Life Support algorithm.
8. What is International normalized ratio?
9. Components of Fallot's Tetralogy.
10. Name three inotropic drugs.
