

[AHS 0321]

MARCH 2021

Sub. Code: 1533

(AUGUST 2020 EXAM SESSION)
B.Sc. CARDIAC TECHNOLOGY
SECOND YEAR (Regulation 2014-2015)
PAPER III – ECHOCARDIOGRAPHY
Q.P. Code : 801533

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:**(3 x 10 = 30)**

1. Discuss Various Methods to assess Aortic Regurgitation and Aortic Stenosis.
2. Echo Features of Dilated & Hypertrophic Cardiomyopathies.
3. What are the types of Ventricular septal defect, discuss the echo features of each type.

II. Write notes on:**(8 x 5 = 40)**

1. Echo features of Pulmonary Thrombo-embolism.
2. Types of Atrial septal defect and its Echo features.
3. Draw the diagram of M-mode at the tip of Mitral leaflet.
4. Wilkin's Score Index.
5. Various Methods to calculate Pulmonary Artery Hypertension.
6. Non-Ischemic causes for Regional wall motion Abnormality.
7. Indications for Transesophageal Echocardiography.
8. Left Ventricular Thrombus versus Artefact.

III. Short answers on:**(10 x 3 = 30)**

1. Eccentric Mitral Regurgitation.
2. Suprasternal View.
3. Pressure half time.
4. Continuity equation for Mitral valve.
5. Grading of Aortic Regurgitation.
6. Echo features of normal right ventricle.
7. Types of Atrial septal defect.
8. Pulmonary Regurgitation.
9. Diagram – Short axis view at Aortic valve level.
10. TAPSE (Tricuspid Annular Plane Systolic Excursion).
