

B.Sc. CARDIAC TECHNOLOGY
SECOND YEAR
PAPER III – ECHOCARDIOGRAPHY

Q.P. Code: 801533

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Doppler principle – Discuss the difference between pulsewave doppler and continuous wave doppler.
2. Discuss the echocardiographic features of severe mitral stenosis.
3. Contrast Echo- Indications, procedure and interpretation.

II. Write notes on:

(8 x 5 = 40)

1. Assessment of pulmonary artery hypertension.
2. Left atrial myxoma.
3. Assessment of pericardial effusion.
4. Features of pulmonary thrombo-embolism.
5. Wall motion score index.
6. Left ventricular thrombus versus artifact.
7. 2D and transesophageal echo features of atrial septal defect.
8. Criteria to diagnosis severity of aortic regurgitation.

III. Short answers on:

(10 x 3 = 30)

1. Mitral valve prolapse.
2. Vegetation.
3. Coarctation of aorta.
4. Teicholtz method.
5. Grade – II LV diastolic dysfunction.
6. Moderator band.
7. Pressure half time.
8. Bicuspid aortic valve.
9. 5 chamber view.
10. Patent foramen ovale.