

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. Echocardiographic evaluation of left ventricular diastolic dysfunction.
2. Define cardiomyopathy with type of cardiomyopathy and its echo features.
3. Echocardiography features of constrictive pericarditis Vs restrictive cardiomyopathy.

II. Write notes on:

(8 x 5 = 40)

1. Coarctation of aorta.
2. Draw a neat diagram of parasternal long axis and short axis view.
3. Simson method in assessment of left ventricular function.
4. Assessment of pulmonary arterial hypertension by echo.
5. Left atrial volume.
6. Cardiac tamponade.
7. Echo cardiographic methods to assess severity of mitral stenosis.
8. Criteria to diagnosis severity of aortic regurgitation.

III. Short answers on:

(10 x 3 = 30)

1. Assessment of severity of aortic stenosis.
2. Types of atrial septal defect.
3. Define patent ductus arteriosus with a neat diagram.
4. Myocardial performance index.
5. Pressure half time.
6. LA Myxoma.
7. IVRT.
8. Principles of doppler shift.
9. Write in short about tissue doppler imaging (TDI).
10. Four cardinal features of tetralogy of fallot.
