

[LJ 0816]

AUGUST 2016

Sub. Code: 1533

B.Sc. CARDIAC TECHNOLOGY
(New Syllabus 2014-2015)

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. Assessment of stroke volume and cardiac output in Echo.
3. Uses of echocardiogram in the differential diagnosis of chest pain.

II. Write Notes on:

(8 x 5 = 40)

1. M-Mode Echocardiography.
2. Determination of situs by echocardiogram.
3. Left atrial thrombus.
4. Mitral valve prolapse.
5. Pericardial Effusion.
6. Echo features of Coarctation of Aorta.
7. Views in transthoracic Echocardiography.
8. Atrial septal defect.

III. Short Notes on:

(10 x 3 = 30)

1. Doppler Shift.
2. Restrictive Cardiomyopathy.
3. Pulmonary systemic flow ratio (Qp/Qs).
4. Assessment of pulmonary arterial hypertension in Echo.
5. Left atrium volume and its usefulness.
6. Principles of Doppler effect.
7. Trans valvular Gradient.
8. Patent ductus arteriosus.
9. Calculation of valve area in prosthetic valve.
10. Mitral regurgitation.
