

[LH 0815]

AUGUST 2015

Sub.code: 1521

**B.Sc. CARDIAC TECHNOLOGY
THIRD YEAR**

PAPER I – CARDIAC CATHETERIZATION LABORATORY BASICS

Q.P. Code : 801521

Time: Three Hours

Maximum: 100 Marks

Answer ALL questions

I. Elaborate on:

(3 x 10 = 30)

1. Right Heart Catheterization and angiography.
2. Left ventriculography – Catheters, views, use of injections.
3. Cardiac Output determination.

II. Write Notes on:

(8 x 5 = 40)

1. Angiographic views in coronary angiography.
2. Oxygen dilution method.
3. Use of manifold.
4. Pressure gradient recording – Pull back, peak to peak.
5. Principles of Oximetry.
6. Artifacts, damping, Ventricularization.
7. Catheter cleaning and packing.
8. Intra Cardiac pressures.

III. Short Notes on:

(10 x 3 = 30)

1. Image play back.
2. Pressure recording systems.
3. Table movement.
4. Types of catheters.
5. Image Intensifier.
6. ASD shunt calculation.
7. Radiation protection.
8. Coronary Angiographic catheters.
9. Thermo dilution method.
10. Techniques of Sterilization.
