

**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. How will you set up cath-lab for diagnostic coronary angiography?
2. Describe various conventional view of coronary angiography.
3. Principles of oxymetry. Shunt detection and calculation.

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

1. Damping and ventricularization.
2. Catheter tipped manometer.
3. Swan ganz catheter.
4. Pigtail catheter.
5. Ficks principle.
6. Indications for coronary angiography.
7. Contraindications for Left ventriculography.
8. Manifold – various ports and its use.

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

1. Fluid filled catheter.
2. Spider view.
3. Coronary Guide catheter.
4. Causes of artefacts in coronary angiography.
5. Views for Left ventricular angiography.
6. Contraindications for coronary angiography.
7. Complications of Left Ventricular angiography.
8. Drugs used during coronary angiography.
9. Left ventricular end diastolic pressure.
10. Types of diagnostic coronary angiography catheter.
