

[LG 0215]

FEBRUARY 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. List the coronary catheters you know and discuss the methods to sterilize them.
2. Discuss about Pressure measuring systems.
3. What is Image intensifier? How is it operated in various diagnostic procedures?

**II. Write notes on:**

**(8 x 5 = 40)**

1. Describe the methods of cardiac output calculation?
2. Discuss about oximetry findings in a case of patient ductus arteriosus.
3. What is damping? What is its importance?
4. Draw a picture of manifold and discuss its uses.
5. Draw Right ventricular pressure tracing and discuss.
6. Draw Amplatz Right catheter and discuss.
7. How is aortogram taken?
8. What is image play back system? What are the applications of it?

**III. Short answers on:**

**(10 x 3 = 30)**

1. Name the parts of Judkins Right catheter.
2. What are the variables involved in shunt calculation?
3. What are balloon floatation catheters?
4. List the views used in left ventriculography.
5. What is meant by coronary dominance?
6. Mention three situations in which pressure injector is used.
7. Mention three drugs used during coronary angiogram.
8. What is DSA? Discuss about its applications.
9. Discuss about PA caudal view.
10. Mention three catheters used in right heart catheterization.

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