

[LG 0215]

FEBRUARY 2015

Sub.Code: 1522

B.Sc. CARDIAC TECHNOLOGY

THIRD YEAR

PAPER II – CARDIAC CATHETERIZATION LABORATORY ADVANCED

Q.P. Code : 801522

Time: Three Hours

Maximum: 100 Marks

Answer ALL questions

I. Elaborate on:

(3 x 10 = 30)

1. Describe the structure of guide wire. Enumerate different types of guide wires and their uses.
2. List the complications during electrophysiology and radiofrequency ablation – Describe the role of cardiovascular technician in identification and management of above problems.
3. Enumerate the steps in device closure of atrial septal defect and list their complications.

II. Write Notes on:

(8 x 5 = 40)

1. Carbondioxide angiography.
2. Precautions in doing catheterisation procedures in a cyanotic child.
3. Side effects of contrast agents.
4. What are all the types of intracoronary stents? Describe with illustration the different components of drug eluting stents.
5. Coronary perforation.
6. What are self expanding stents and mention their uses?
7. Steps in percutaneous treatment of aortic coarctation.
8. Rotablation.

III. Write Notes on:

(10 x 3 = 30)

1. Complications of balloon mitral valvuloplasty.
2. Recording of trans mitral pressure gradient.
3. Hepatoclavicular view.
4. Indications for Intra aortic balloon pump.
5. Adjusting counter pulsation timing in Intra aortic balloon pump.
6. Types of IVC filter.
7. Intra arterial thrombolysis.
8. Draw the position of pacing lead in RV apex in RAO.
9. Draw the intracardiac pacing of complete AV block.
10. Draw the tracing of VA block during ablation.
