

**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. How will you prepare a cath lab for Balloon mitral valvuloplasty?
2. Percutaneous Transluminal coronary angioplasty (PTCA) – indications, contra indications and hard wares used.
3. Intra aortic balloon pump – Basic mechanism, indications, contra indications and complications.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Carbon dioxide angiography.
2. What are the advantages of non ionic contrast agents?
3. Complications of PTCA.
4. Non complaint balloon.
5. Acute stent thrombosis.
6. Hard wares for balloon mitral valvuloplasty.
7. Indications for permanent pace maker insertion.
8. Drugs used for slow flow.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Disadvantage of ionic contrast.
2. Intra coronary thrombus.
3. Indications for pulmonary valvuloplasty.
4. Contra indications for aortography.
5. What are the contra indication for venacaval filters?
6. Indication for pericardial fluid aspiration.
7. Mention few complications of permanent pace makers.
8. Indications for renal artery stenting.
9. What are the types stent thrombosis?
10. How will you choose balloon size for pulmonary valvuloplasty?

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