

Dcath

ANDHRA PRADESH PARAMEDICAL BOARD, VIJAYAWADA

COMBINED PARAMEDICAL (REGULAR) EXAMINATIONS, JANUARY, 2019

DIPLOMA IN CATH LAB TECHNICIAN COURSE

PAPER-I

Cardiac Catheterization & Cardiac Physiology

Time: 3 Hours

Total Marks:80

Answer any **TEN** questions

All Questions carry equal marks

Write the entire answer to a question at one place only but not in different stages

1. Describe the anatomy of the coronary artery. Draw diagrams and label the parts. (5+3)
2. Describe the conduction system of the heart. Draw a diagram and label the parts. (5+3)
3. What is cardiac catheterisation? Describe the indications of cardiac catheterisation. Mention the contraindications. (1+4+3)
4. Describe the functions of the heart. Describe the various phases of the cardiac cycle. (3+5)
5. Draw diagrams of the basic views in a normal 2D echocardiogram and label the parts. Describe briefly the anatomy of the heart in these views. (4+4)
6. Describe the anatomy of the aorta and its important branches. Draw a diagram and label the parts. (5+3)
7. Describe the normal blood circulation in humans. Draw a diagram of the same. (5+3)
- 8.. Draw a diagram of a catheter from the right groin to the pulmonary artery and Label the various vessels crossed. Write a note on the path and various vessels passed through. (4+4)
9. Draw a diagram of the x-ray picture of the AP view of the heart as it looks in the cath. lab. fluoroscopy and Label the different parts and borders of the heart. Describe the various parts and borders seen in the AP view. Draw a picture of a permanent pacemaker implanted from left subclavian vein and label the parts. (3+3+2)
10. Write short notes on a) Post – catheterisation care and monitoring of the patient.
 b) Femoral artery puncture & complications
11. Write short notes on a) Seldinger technique b) Preparation of patient for cardiac
 catheterisation
12. Write short notes on a) Pressure recording in the cath. lab. and normal pressures
 b) Oxymetry and normal oxygen saturations in various chambers (4+4)