

Dcath

ANDHRA PRADESH PARAMEDICAL BOARD, VIJAYAWADA
COMBINED PARAMEDICAL (REGULAR) EXAMINATIONS, JANUARY, 2019

DIPLOMA IN CATH LAB TECHNICIAN COURSE

PAPER- III

Cardio Vascular Physiology & Pulmonary Resuscitation

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. Draw a normal ECG and label the parts. Describe how each wave is produced? (4+4)
2. What is Cardiopulmonary resuscitation? What is BLS & ALS? Describe briefly the process of Basic Life Support. (1+2+5)
3. What is congenital heart disease? Write briefly on PDA angiogram features. Write briefly on VSD angiogram features. (2+3+3)
4. Describe briefly the procedure of coronary angiography. Mention its complications. (5+3)
5. Write briefly on a) ECG monitoring in the cath lab b) Pressure monitoring in the cath lab (4+4)
6. Write briefly on a) Coronary angiogram reporting b) Preparation of patient for coronary angiography (4+4)
7. Write short notes on a) Defibrillator b) Holter monitoring (4+4)
8. Write short notes on a) PSVT / AVNRT (AV node re-entry tachycardia) b) Damping & ventricularisation of pressure in coronary angiography (4+4)
9. A patient with old MI and heart failure (EF=30%) and not on regular treatment came with complaints of palpitation and breathlessness. Pulse 180. BP 70/60. Patient looks sick. Monitor shows wide QRS tachycardia. What is the likely diagnosis and draw the ECG. Write about the emergency management of the patient in the ICCU. Name one intervention procedure that will help the patient in future. (2+5+1)
10. Write short notes on a) Coronary angiogram views b) Duties of technician in the cath. lab. (4+4)
11. Write short notes on a) Coronary stents b) Indeflator c) Pressure transducer (3+2+3)
12. Write short notes on a) Monitoring of the patient in the cath lab b) Contrast medium (dye) for angiography (4+4)