

**DIPLOMA IN CARDIAC NON-INVASIVE TECHNOLOGY
SECOND YEAR
PAPER II – ADVANCED CARDIOVASCULAR INVESTIGATIONS**

Q.P. Code: 842412

Time : Three Hours

Maximum : 100 Marks

Answer All questions.

I. Elaborate on:

(3 x 10 = 30)

1. Explain about the angiography, indications, contraindications and views of angiography.
2. Explain in detail about the echo features of hypertrophic cardiomyopathy.
3. Explain in detail about MUGA scans.

II. Write notes on:

(10 x 5 = 50)

1. Explain PTMC and PTCA.
2. Echo complications in infective endocarditis.
3. Difference between cardioversion and defibrillation.
4. Explain the parts and modes of pacemaker.
5. Write about post cardiac catheterization management.
6. Write about X-ray generating system.
7. Explain about computed tomography.
8. Explain about the techniques of cardioversion.
9. Write about Myocardial perfusion imaging.
10. Explain about prosthetic valve assessment in echo.

III. Short answers on:

(10 x 2 = 20)

1. Name some emergency drugs used in resuscitation.
2. Define fluoroscopy.
3. Types of shock.
4. Common causes for airway obstruction.
5. BLS algorithm.
6. Contraindications for PTCA.
7. Define seizures.
8. Basic measures to reduce radiation exposure.
9. Define drowning.
10. Define PDA.
