

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[LR 1220]

**DECEMBER 2020
(AUGUST 2020 EXAM SESSION)**

Sub. Code: 2412

**DIPLOMA IN CARDIAC NON-INVASIVE TECHNOLOGY
SECOND YEAR – (Regulation from 2014 -2015 & 2018-2019)
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. Write in detail about Pacemakers definition, Pacemaker indication, modes types and Procedures.
2. Explain in detail about Trans Thoracic Echo Cardiography views.
3. Hemodynamic Monitoring.

II. Write notes on:

(10 x 5 = 50)

1. Advanced Cardiac Life Support.
2. Coronary Angiography
3. Defibrillator.
4. Mammography.
5. Regional wall motion Abnormalities.
6. Magnetic Resonance Imaging.
7. Pacemakers.
8. Infection Control Practices.
9. Myocardial Infarction.
10. Ventricular Septal defect.

III. Short answers on:

(10 x 2 = 20)

1. Ebstein Anomaly.
2. C-Arm.
3. Hemoximeter.
4. Multiple gated Acquisitions Scans[MUGA].
5. Left Ventriculography.
6. Situs Solitus.
7. Continuity Equation.
8. What is End Tidal Carbondioxide?
9. Cardiogenic Shock.
10. Radiopharmaceuticals .
