

**DIPLOMA IN CARDIAC NON-INVASIVE TECHNOLOGY**

**FIRST YEAR**

**PAPER II – INTRODUCTION TO CARDIOVASCULAR DISEASES**

*Q.P. Code : 842402*

**Time : Three Hours**

**Maximum : 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Pathophysiology of Heart failure and its Management.
2. Acute Myocardial Infarction – Approach and Management.
3. Management of Hypertensive crisis.

**II. Write Notes on:**

**(10 x 5 = 50)**

1. Define 'P' Value and its significance.
2. Mitral valve apparatus.
3. Action potential of cardiac muscle.
4. Embryology of Interatrial septum.
5. Digoxin – Indication, Dosage and complication.
6. Streptokinase.
7. Steps of Cardio pulmonary Resuscitation.
8. Hypertensive Urgency.
9. Signs and Symptoms of Aortic Stenosis.
10. Define QTC and its Significance.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Two complications of Thrombolysis treatment.
2. Name Anti arrhythmic drugs.
3. Complications of Mitral stenosis.
4. Contraindications for Treadmill test.
5. Risk factors for Coronary Artery Disease.
6. Enzyme markers for Coronary Artery disease.
7. Name two drugs used for Hypotension.
8. Types of Pulmonary Hypertension
9. ECG findings of Myocardial Infarction.
10. High Output Failure.

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