

**B.Sc. CARDIAC TECHNOLOGY
SECOND YEAR**

**PAPER II – ADVANCED ECG AND TREADMILL EXERCISE STRESS
TESTING AND 24 HOUR AMBULATORY ECG AND BP RECORDING**

Q.P. Code: 801532

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. ECG changes in acute MI and Delineation of coronary artery involvement.
2. Indications and contra indications in TMT.
3. Draw the conduction system and explain in detail about various types of heart block.

II. Write notes on:

(8 x 5 = 40)

1. Indications for holter analysis.
2. WPW syndrome.
3. Long QT syndrome.
4. Modified bruce protocol.
5. Indications for 24 Hrs BP monitoring.
6. P-wave abnormalities.
7. Causes of LAD in ECG.
8. LVH criteria.

III. Short answers on:

(10 x 3 = 30)

1. Digitalis toxicity.
2. ECG features of hyperkalemia.
3. ECG features of acute PTE.
4. Atrial flutter.
5. Himalayan P waves.
6. Epsilon waves.
7. Q-waves.
8. ECG paper speed.
9. RAD.
10. LAHB.
