

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. Draw a normal ECG and explain changes in acute MI, how do you identify the coronary artery involvement?
2. Indications for holter, type of arrhythmias which can be detected by holter.
3. Various protocol in TMT and explain in detail about any one protocol.

II. Write notes on:

(8 x 5 = 40)

1. Criteria for RVH.
2. 24 hours ambulatory Bp monitoring.
3. ECG features of AWMI.
4. WPW syndrome.
5. Indications and contraindications for TMT.
6. Ventricular arrhythmias.
7. ECG in various metabolic abnormalities.
8. LBBB and RBBB.

III. Short answers on:

(10 x 3 = 30)

1. P mitrale.
2. T-waves in ECG.
3. ECG features of hypokalemia.
4. Atrial arrhythmias.
5. Absolute contraindication of TMT.
6. LAHB.
7. ECG features of TOF.
8. Digoxin toxicity.
9. DC shock.
10. Causes for right axis deviation.