

[LH 0815]

AUGUST 2015

Sub. Code: 1512

B.Sc. CARDIAC TECHNOLOGY

SECOND YEAR

**PAPER II – TREADMILL EXERCISES STRESS TESTING AND 24 HOUR
AMBULATORY ECG RECORDING**

Q.P. Code: 801512

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. What are the indications and contra indications for Treadmill Test?
2. What are the physiological changes takes place during exercise Test?
3. List out the difference exercise protocols you know and discuss in detail about Bruce protocol.

II. Write notes on:

(8 x 5 = 40)

1. Indications for 24 hour holter monitoring.
2. Modified Bruce protocol.
3. MASONLIKER modification and its advantage.
4. Define METs (metabolic equivalent).
5. Non electro cardiographic changes during Treat mill test.
6. Different types of ST depression.
7. DUKE Tread mill score.
8. Dressing and dietary advice for Tread mill test.

III. Short answers on:

(10 x 3 = 30)

1. Indication for ARM ERGOMETRY.
2. Types of ST segment depression.
3. ST segment elevation in Tread mill test.
4. Non coronary cause for ST depression.
5. Target heart rate for exercise test.
6. Indication for modified Bruce protocol.
7. List out arrhythmias noted during tread mill test.
8. Instruction to patient while doing Tread mill test.
9. Monitoring during recovery period of treadmill Test.
10. Basis for Tread mill test.
