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. Indications for exercise testing.
2. Limitation of exercise testing in women and methods of enhancing the utility.
3. Usefulness of Holter in acute coronary syndrome.

II. Write Notes on: **(8 x 5 = 40)**

1. Safety and risk of treadmill test.
2. Different scores used to risk stratify based on TMT.
3. Usual BP response during exercise. What does accelerated response indicate?
4. What are the drugs and equipment which should be available in treadmill room?
5. Absolute contraindications for exercise testing.
6. Importance of maximal work capacity.
7. Usefulness of treadmill in valvular heart diseases.
8. Reporting format of a treadmill test.

III. Write short answers on: **(10 x 3 = 30)**

1. Non coronary causes of ST segment deviation.
2. Normal BP response during exercise.
3. Bayers thoram.
4. Chronotropic incompetence.
5. Importance of ST elevation during exercise.
6. Stratification of risk using exercise test in congestive cardiac failure.
7. MASON LIKAR Modification of 12 lead ECG.
8. Indication for termination of exercise testing.
9. Dietary advise before treadmill test.
10. Rate dependent LBBB during treadmill test.

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