

**VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM
(Deemed to be University)**

**B.Sc. (CARDIAC TECHNOLOGY) & M.Sc. (INTEGRATED
CARDIAC TECHNOLOGY) DEGREE EXAMINATION**

September 2021

Second Year

INTRODUCTION TO CARDIAC CARE TECHNOLOGY

Time: Three hours

Maximum: 75 marks

I. Write an Essay on any ONE of the following: (1 x 20 = 20)

1. Explain the indication & techniques of Exercise Test.
2. Explain the Conventional Electrocardiographic leads in detail

II. Write short notes on any TWO of the following: (2 x 10 = 20)

3. Explain Bruce & Modified Bruce Protocol in Exercise Testing.
4. Explain so-called Rotation of the Heart in detail.
5. Explain the genesis of QRS complex.
6. Explain the Electrocardiographic manifestations of Right Bundle Branch block.

III. Write short answers on any SEVEN of the following: (7 x 5 = 35)

7. The Romhilt & Estes point score system for left Ventricular Hypertrophy.
8. Explain the Electrocardiographic manifestations in biventricular Hypertrophy.
9. Electrocardiographic manifestations in Right Atrial Enlargement.
10. Causes of Right Axis Deviation.
11. Causes for Prolonged Q – T_c
12. ECG Manifestation in Left Posterior Hemi block.
13. Explain the Electrocardiographic Paper.
14. Explain Intrinsic & Intrinsicoid deflexions.
15. Explain Genesis of the Normal 'P' wave.
16. Criteria for Normal Sinus Rhythm in ECG.