Sl.No.M19293 **Course Code: 3010204**

VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM

(Deemed to be University)

B.Sc. (CARDIAC TECHNOLOGY) DEGREE EXAMINATION

March 2019

Second Year

INTRODUCTION TO CARDIAC TECHNOLOGY

Time: Three hours Maximum: 75 marks

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

1. Explain exercise protocols, Exercise physiology, Techniques & indication of exercise testing.
2. Describe electrocardiographic paper, basic principles of the electrical field of the heart and conventional electrocardiographic leads.

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

3. Explain the electrocardiographic manifestations of left bundle branch block.
4. Explain the electrocardiographic manifestations of Right Ventricular Hypertrophy.
5. Explain the construction and naming the degrees of the hexaxial reference system
6. Explain the electrocardiographic manifestations of Left Anterior Hemiblock.

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

7. Electrocardiographic manifestation of Right Atrial Enlargement.
8. The Romhilt and Estes Point Score System in Left Ventricular Hypertrophy.
9. Causes of Prolonged Q - Tc.
10. The Genesis of QRS Complex.
11. Basic action of electrocardiograph.
12. Calculation of rate and explain normal sinus rhythm in ECG.
13. The significance of Anatomical length of Right bundle branch block.
14. The standardization of the electrocardiograph.
15. Basic electrocardiographic deflexions.
16. Causes of Right Axis Deviation.

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