

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

**B.Sc. (CARDIAC TECHNOLOGY) & M.Sc (INTEGRATED
PROGRAMS IN CARDIAC TECHNOLOGY) DEGREE
EXAMINATION – February 2020**

Third Year

ADVANCED ELECTROCARDIOGRAPHY (ECG)

Time: Three hours

Maximum: 75 marks

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

1. Explain the three electrocardiographic phases of Myocardial infarction in detail.
2. Types of Ventricular Arrhythmias. Explain in detail about Ventricular Tachycardia and Ventricular Fibrillation.

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

3. ECG manifestation in left Posterior Hemi block.
4. Describe ECG manifestation in Right Bundle Branch Block.
5. ECG manifestation in Right Ventricular Hypertrophy.
6. ECG manifestation in Wolf – Parkinson – White Syndrome.

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

7. Stokes – Adams – Syncopal Attacks.
8. Posterior wall Myocardial infarction.
9. Romhilt & Estes point Score system.
10. Indications for Cardioversion.
11. Explain Mobitz Type I and II AV block.
12. ECG manifestation in hypothermia.
13. ECG manifestation in Right Atrial Enlargement.
14. ECG changes in hypokalemia.
15. ECG changes in supra Ventricular Tachycardia.
16. ECG changes in Atrial Fibrillation & Atrial Flutter.
