

VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM
B.SC (CARDIAC TECHNOLOGY) & M.Sc (INGRATED CARDIAC
TECHNOLOGY) DEGREE EXAMINATION - September 2021

Third Year

ADVANCED ELECTROCARDIOGRAPHY (ECG)

Three Hours

Maximum: 75 marks

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

1. Describe the role of ECG in the diagnosis of Myocardial Infarction.
2. Give account of the electrocardiography and manifestations of various Atrial arrhythmias.

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

3. ECG changes in Ventricular Tachycardia and Ventricular Fibrillation.
4. Describe the ECG manifestation in Right bundle branch block.
5. Classify heart blocks. Describe the causes and ECG manifestation of heart blocks.
6. Explain the complications and electrocardiographic simulations of WPW Syndrome.

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

7. ECG changes in hypothermia.
8. Localization of ischemia or infarction.
9. ECG manifestation in acute and chronic pericarditis.
10. Sinoatrial block.
11. Describe monophasic and biphasic shock indication for cardioversion.
12. ECG changes in Atrial Flutter.
13. ECG changes in chronic lung disease.
14. ECG manifestation in Myocarditis.
15. Non infarction Q waves.
16. Prinzmetal's Angina pectoris.

20)

20)

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