

Sl.No: M22011

Course Code: 2670101/26617401

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

**M.SC.(ECHOCARDIOGRAPHY/INTEGRATED CARDIAC TECHNOLOGY)
DEGREE EXAMINATION – December 2021
First Year/Fourth Year**

CARDIOLOGY

Time: Three hours

Maximum: 100 marks

Answer **ALL** questions

I. Write an Long essay on : **(3 x 20 = 60)**

1. Define heart failure and explain the pathophysiology, clinical features, investigations and management of heart failure.
2. Describe the etiopathogenesis, clinical features, investigations and treatment of acute rheumatic fever.
3. Describe the etiopathogenesis, clinical features, ECG changes and management of acute STEMI.

II. Write short notes on : **(4 x 10 = 40)**

4. Cardiac action potential and its relation with ECG.
5. Cardiac transplantation.
6. Dukes criteria for infective endocarditis.
7. Pathogenesis and ECG changes in atrial fibrillation.
