

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

**M.SC (ECHOCARDIOGRAPHY) DEGREE EXAMINATION – February 2020
First Year**

CARDIOLOGY

Time: Three hours

Maximum: 100 marks

Answer **ALL** questions

I. Write an Long essay on : **(2 x 20 = 40)**

1. Explain the causes, occurrence, pathophysiology, Diagnosis, Clinical manifestation and treatment of Rheumatic Fever.
2. Explain the pathophysiology, Clinical Syndrome and management of both left and Right Heart Failure.

II. Write short notes on : **(10 x 6 = 60)**

3. Types of ASD with diagram.
4. Tetralogy of Fallot.
5. Complications & risks of having a Cardiac transplantation.
6. Cardiac Rehabilitation program after Cardiac Surgeries.
7. Features of Acute Cardiogenic Shock.
8. Explain the Cardiac Action potential.
9. Patent Ductus Arteriosus (PDA).
10. Late Complications of Myocardial Infarction.
11. Complication of Rheumatic Fever on Cardiac Values.
12. Genesis of Electrocardiogram.
