

**VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM
(Deemed to be University)
M.SC.(ECHOCARDIOGRAPHY) DEGREE EXAMINATION – February 2020
First Year**

CARDIAC SURGERY

Time: Three hours

Maximum: 100 marks

Answer **ALL** questions

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

1. Explain Pathophysiology of Milral Stenosis and Mitral Regurgitation; timing of Surgery for Mitral Valve Replacement.
2. Explain Types, pathology, Diagnosis and Management of Aortic Dissection with diagram.

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

3. Surgical treatment for Tetralogy of Fallot.
4. Principles of Saphenous Vein Harvest .
5. Basic principles of Anaesthesia during Cardiac Surgeries.
6. Hypoplastic left Heart Syndrome.
7. Explain Norwood Operation.
8. Principles of Aortic Valve Replacement.
9. Explain Ebstein's Anomaly and its management.
10. Complications of valve Surgery.
11. Explain Coarctation of Aorta and its management.
12. Minimal Invasive Coronary Artery Bypass Grafting – Explain.
