

SL.No: M23278

Course Code: 2670104 / 162614T04

**VINAYAKA MISSIONS RESEARCH FOUNDATION, SALEM
(Deemed to be University)**

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

ECHOCARDIOGRAPHY FOR ISCHEMIC HEART DISEASE

Time: Three hours

Maximum: 100 marks

Answer **ALL** questions

I. Write an Long essay on :

(2 x 20 = 40)

1. Explain the detection of mechanical complication of myocardial infarction by echocardiography in detail.
2. Explain coronary anatomy and coronary physiology, pathogenesis of atherosclerotic plaques and abnormalities of coronary perfusion.
3. Explain pathophysiologic mechanisms of Mitral Regurgitation and decision making for mitral valve replacement versus Mitral Valve Repair.

II. Write short notes on :

(4 x 10 = 40)

4. Intravascular ultrasound in visualizing coronary arteries.
5. Detection and quantitation of ischemic muscle wall motion scoring.
6. Explain congenital coronary artery anomalies.
7. Explain index of myocardial performance.
