

**VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM
(Deemed to be University)
M.SC.(ECHOCARDIOGRAPHY) DEGREE EXAMINATION – August 2019
First 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 protocol of stress Echo & detection of reversible ischemia, inducible ischemia / viability, specificity and sensitivity.
2. Explain the complication of MI in detail.

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

3. Assessment of ventricular systolic function
4. Explain Tissue Doppler Imaging in diastolic function and automated functional imaging in LV function assessed by speckle tracking
5. Strain Rate Imaging – Explain
6. Endo – ventricular Patch Plasty procedure (or) Dorr's procedure – Explain.
7. Assessment of ventricular Diastolic function
8. Explain pre and post operative evaluation of CABG
9. Explain pathogenesis of Atherosclerotic plaques
- 10.Explain wall motion score index
- 11.Explain coronary anatomy and physiology with diagram
- 12.Decision making for Mitral valve replacement versus repair in mitral regurgitation
