

VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM

M.SC. (ECHOCARDIOGRAPHY) DEGREE EXAMINATION - March 2019

Second Year

EQUIPMENT, APPLICATIONS AND ERROR ANALYSIS

Time: Three hours

Maximum: 100 marks

Answer **ALL** questions

I. Write a Long essay on:

(2 x 20 = 40)

1. Types of Probes and their designs.
2. Advanced haemodynamic information and specialized calculations.

II. Write short notes on:

(10 x 6 = 60)

3. Storage of retrieval of Echo images.
4. Transducer selection.
5. Use of M-mode for temporal analysis.
6. Use of modalities to optimize colour flow.
7. Specialized techniques such as tissue doppler.
8. Adjustment related to doppler such as scale.
9. Newer types of ultrasound.
10. Common source of breakdown.
11. Application for maintaina mache.
12. Echo machine diagram with labelled and their uses.
