

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

M.SC.(RADIOLOGY AND IMAGING TECHNOLOGY) DEGREE
EXAMINATION – February 2020
Second Year

NEWER DEVELOPMENTS IN ADVANCED IMAGING TECHNOLOGY
AND BIOSTATISTICS

Time: Three hours

Maximum: 100 marks

Answer **ALL** questions

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

1. Ultrasound elastography and its clinical applications.
2. MR Spectroscopy and its applications.

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

3. Digital mammography principle.
4. Mask subtraction method in DSA.
5. PACS.
6. Nominal and ordinal scale.
7. Analysis of Variance.
8. Difference between Parametric and non-parametric method.
9. Ultrasound contrast agents.
10. MDCT.
11. Types of Correlation.
12. Types of sampling.
