

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

M.SC.(RADIOLOGY AND IMAGING TECHNOLOGY)
DEGREE EXAMINATION – August 2019
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. Recent Ultrasound imaging modality.
2. Fusion imaging of PET CT.

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

3. Angiography studies.
4. Theory of probability.
5. Sampling error.
6. Interpretation of probability level.
7. Interval and ratio scale.
8. Radio isotopes.
9. Error significance.
10. Parametric and non parametric method.
11. Digital fluoroscopy.
12. Standard deviation of biostatics.
