

VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM

**M.SC. (RADIOLOGY AND IMAGING TECHNOLOGY) DEGREE
EXAMINATION - March 2019**

Second Year

**NEWER DEVELOPMENTS IN ADVANCED IMAGING TECHNOLOGY
AND BIOSTATISTICS**

Time: Three hours

Maximum: 100 marks

Answer **ALL** questions

I. Write an essay on any TWO of the followings:

(2 x 20 = 40)

1. Recent Ultrasound imaging modality.
2. Fusion imaging of PET CT.
3. PACS, software and its application.

II. Write short notes on any TEN of the followings:

(10 x 6 = 60)

4. Digital mammography.
5. SPECT.
6. Digital fluoroscopy.
7. Data collection.
8. Standard deviation of biostatistics.
9. Angiography studies.
10. Recent MRI imaging technique.
11. Theory of probability.
12. Sampling error.
13. Interpretation of probability level.
14. Interval and ratio scale.
15. Error significance.
16. Parametric and non parametric method.
