

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

M.SC.(RADIOLOGY AND IMAGING TECHNOLOGY)
DEGREE EXAMINATION – August 2019
Second Year

NEWER IMAGING MODALITIES

Time: Three hours

Maximum: 100 marks

Answer **ALL** questions

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

1. Multi detector array of CT
2. PET MRI

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

3. Biological Impedance
4. Elastography
5. MR Spectroscopy
6. US, MRI special imaging technique
7. CT image reconstruction
8. Doppler image artifacts
9. Application of Radio isotopes
10. Fourier 3D image formation method
11. Piezoelectric effect
12. CT- Angiography
