

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

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

MODERN RADIOLOGICAL AND IMAGING EQUIPMENT

Time: Three hours

Maximum: 100 marks

Answer **ALL** questions

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

1. MRI artifacts.
2. CT angiography techniques.

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

3. Metal ceramic x- ray tube.
4. Gamma camera.
5. Mask subtraction techniques in DSA.
6. CT Virtual colonoscopy.
7. Inversion recovery sequence.
8. Ultrasound elastography.
9. Second generation CT scanner.
10. Paramagnetic contrast agent.
11. MRI safety.
12. Image reconstruction technique in CT.
