

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

M.SC.(RADIOLOGY AND IMAGING TECHNOLOGY)
DEGREE EXAMINATION – February 2020
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. Interaction of ultrasound with matter.
2. MR Perfusion.

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

3. TOF MR angiography.
4. RF coils.
5. MR safety.
6. Any four CT artifacts.
7. Any four MR artifacts.
8. Hounsefield unit, window width and window level.
9. CT post processing technique.
10. Properties of Ultrasound.
11. Measure of area and volume on Ultrasonography.
12. Ultrasound machine controls.
