

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 1022]

OCTOBER 2022

Sub. Code: 2515

**M.Sc. RADIOGRAPHY AND IMAGING TECHNOLOGY
SECOND YEAR (From 2019-2020 & 2020-2021 onwards)
PAPER V – NEWER DEVELOPMENTS IN ADVANCED IMAGING
TECHNOLOGY**

Q.P. Code : 282515

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Computed Radiography and Digital Radiography.
2. Principles, present status and future of PET MR Imaging.

II. Write notes on:

(10 x 6 = 60)

1. Virtual Colonoscopy.
2. MR Spectroscopy.
3. Intravascular Ultrasound.
4. MR sequences in Cardiac imaging.
5. Functional MRI.
6. Ultrasound contrast agents.
7. Silent MRI.
8. HIFU.
9. Contrast enhanced USG.
10. Digital Fluoroscopy.
