

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

[AHS 0522]

MAY 2022

Sub. Code: 2502

**M.Sc. RADIOGRAPHY AND IMAGING TECHNOLOGY
FIRST YEAR**

(Candidates admitted from 2019-2020 onwards – Paper II)

(Candidates admitted from 2020-2021 onwards – Paper III)

**PAPER II & III – CONVENTIONAL RADIOLOGICAL AND IMAGING
EQUIPMENT**

Q.P. Code : 282502

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Modern X-ray tubes and write about Rotating anode X-ray tube.
2. Image intensifier.

II. Write Short Notes on:

(10x6 = 60)

1. Compression technique in Mammographic study
2. Line focus principle
3. Constant potential generator
4. Types of grids
5. Phototimers
6. Earthing
7. Film circuit
8. Self rectified X-ray tube circuit
9. Phosphorescence. Role in Radiology
10. Mobile X-ray unit
