

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

[AHS 1022]

OCTOBER 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

Maximum : 100 Marks

Answer ALL Questions

I. Elaborate on:

(2 x 20 = 40)

1. Different types of Beam Limiting devices and its advantages and Grids, its types and advantages.
2. Construction and working principle of X-ray tubes.

II. Write notes on:

(10 x 6 = 60)

1. Focal Spot and Focal Track.
2. Filters and its uses.
3. Relays in X-ray equipment.
4. Conventional Fluoroscopic screen.
5. Dental X-ray Unit.
6. Spin Top Test.
7. Potter-Bucky Diaphragm.
8. Automatic exposure control.
9. Vidicon Camera.
10. X-ray Tube housing.
