

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

[AHS 1022]

OCTOBER 2022

Sub. Code: 2401

M.Sc. RADIOTHERAPY TECHNOLOGY

FIRST YEAR

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

(Candidates admitted from 2020-2021 Batch onwards – Paper - II)

**PAPER I & II – HUMAN APPLIED AND IMAGING ANATOMY,
PHYSIOLOGY, PATHOLOGY & TERMINOLOGY**

Q.P. Code : 282401

Time: Three hours

Maximum : 100 Marks

Answer ALL Questions

I. Elaborate on:

(2 x 20 = 40)

1. Describe the Macroscopic features and major functions of the brain and spinal cord.
2. Describe the Structure and properties of cardiac muscle. Explain in detail the Cardiac cycle.

II. Write notes on:

(10 x 6 = 60)

1. Parathyroid glands.
2. Functions of Estrogen.
3. Blood - A B O System and mismatch-transfusion.
4. Neoplasia.
5. Deep Vein thrombosis (DVT).
6. RECIST Criteria for response evolution.
7. Normal ECG.
8. Pulmonary Volumes and capacities.
9. Major functions and location of the scrotum, Testes and Epididymis,
10. Biliary system.
