

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

[AHS 0423]

APRIL 2023

Sub. Code: 1941

**B.Sc. RADIOTHERAPY TECHNOLOGY
FIRST YEAR (Regulation 2018-2019 onwards)
PAPER I – HUMAN ANATOMY AND PHYSIOLOGY
Q.P. Code: 801941**

Time: Three Hours

Answer All questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Name the parts of the Reproductive System in Female. Write in detail about the Uterus under the following sub-headings:
i) Clinical Anatomy ii) Blood supply iii) Supports of Uterus.
2. Write in detail about Spinal cord and the ascending and descending pathways.
3. Describe the parts of the Nephron with diagrams. Write a note on excretory and non-excretory functions of Kidney.

II. Write notes on:

(8 x 5 = 40)

1. Ball and Socket joint.
2. Blood supply of brain.
3. Histology of liver.
4. Cell division.
5. Muscles of tongue.
6. Structure of eye ball.
7. Heart sounds.
8. Name the hormones secreted by the pituitary gland.

III. Short answers on:

(10 x 3 = 30)

1. Define dyspnoea and hypoxia.
2. Peritoneum.
3. Name the major blood groups of human beings.
4. Layers of Skin.
5. Functions of large intestine.
6. Importance of lymphatic system.
7. Functions of facial nerve.
8. Components of gastric juice.
9. Role of thymus in immunity.
10. Cartilaginous joint.
