

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

[AHS 1023]

OCTOBER 2023

Sub. Code: 2301

**M.Sc. NUCLEAR MEDICINE TECHNOLOGY
FIRST YEAR (From 2020-2021 onwards)
PAPER II – ANATOMY, PHYSIOLOGY & BIOCHEMISTRY**

Q.P. Code: 282301

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Describe the parts of Excretory System. Write in detail about the Glomerular filtration process. Add a note on Juxta – glomerular apparatus.
2. What are carbohydrates? How are they classified? Explain different types of isomerism in glucose.

II. Write Short Notes on:

(10x6 = 60)

1. Stages of Erythropoiesis.
2. Functional areas in Supero-lateral surface of brain.
3. Secondary structures of protein.
4. Functions of Thyroid gland.
5. Supports of Uterus.
6. Mechanism and action of endocrine hormones.
7. Different classifications of amino acids with colour reaction for aromatic amino acids.
8. Lymphatic drainage of the stomach.
9. Active membrane transport with illustration.
10. Coronary circulation.
