

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

[AHS 1122]

NOVEMBER 2022

Sub. Code: 2502

**B.Sc. NEURO ELECTRO PHYSIOLOGY
FIRST YEAR (Regulations 2012-2013 & 2018-2019)
PAPER II – PHYSIOLOGY & BIOCHEMISTRY
Q.P NO. 802502**

Time: Three Hours

Answer All questions

Maximum : 100 Marks

I. Elaborate on :

(3X10=30)

1. Describe in detail about the mechanism of formation of urine.
2. Write in detail about physiological actions and regulation of thyroid hormones.
Add a note on cretinism.
3. Write in detail about sources, functions, RDA, active form and deficiency manifestations of Thiamine.

II. Write Notes on :

(8X5=40)

1. Composition and functions of blood.
2. Contraceptive methods.
3. Structure and functions of nephron.
4. Regulation of blood pressure.
5. Hypoxic hypoxia.
6. Phospholipids.
7. Functions of magnesium.
8. Vitamin E.

III. Short Answers on :

(10X3=30)

1. Spermatogenesis.
2. Structure of a synapse.
3. Rods and cones.
4. Functions of surfactant.
5. Pantothenic acid.
6. Anticoagulants.
7. Golgi apparatus.
8. Rickets and osteomalacia.
9. Henderson- Hasselbach equation.
10. Upper motor neuron lesion.
