

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

[BNYS 0323]

MARCH 2023

Sub. Code: 1506

(AUGUST 2022 & OCTOBER 2022 EXAM SESSIONS)

B.N.Y.S. DEGREE EXAMINATION

FIRST YEAR – PART II

(For the candidates admitted from the academic year 2011-12)

PAPER IV – HUMAN PHYSIOLOGY II

Q.P. Code: 821506

Time: Three Hours

Answer ALL questions

Maximum: 100 Marks

I. Essay Questions:

(2 x 15 = 30)

1. Write in detail about the electron microscopic structure of skeletal muscle and the molecular mechanism of muscular contraction.
2. Explain in detail about physiology of reticular formation and add a note on EEG.

II. Write Notes on:

(10 x 5 = 50)

1. Enumerate the hormones secreted by anterior pituitary gland.
2. Actions of Parathormone.
3. Starling's law its applications.
4. Process of Ovulation.
5. Composition of semen.
6. Physiology of Sleep.
7. Auditory pathway.
8. Neuromuscular junction.
9. Functions of Thalamus.
10. Structure of Eye.

III. Short Answers on:

(10 x 2 = 20)

1. What is Trichromatism?
2. Stretch reflex.
3. Nystagmus.
4. What is chronaxie?
5. Types of Troponin.
6. Define Menopause.
7. What is Glaucoma?
8. Law of projection.
9. Schwann cells.
10. What is synaptic delay?
