

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

[BNYS 0323]

MARCH 2023

Sub. Code: 1505

(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 III – HUMAN PHYSIOLOGY I

Q.P. Code : 821505

Time: Three Hours

Answer ALL questions

Maximum : 100 Marks

I. Essays Questions:

(2 x 15 = 30)

1. Explain in detail about the structure and functions of skin.
2. Explain in detail about the composition, function and regulation of Gastric juice.
Add a note on secretion of HCL.

II. Write notes on:

(10 x 5 = 50)

1. Digestion and absorption of Proteins.
2. Concentration and acidification of urine.
3. Lung volume and capacities.
4. Electrocardiography.
5. Factors that help in Coagulation and its importance.
6. Mechanisms of Cell membrane and transport.
7. Mechanism of Deglutition and vomiting.
8. Physiology of Micturition and its abnormalities.
9. Origin and function of Plasma Proteins.
10. Regulation and factors influencing blood Pressure.

III. Short Answers on:

(10 x 2 = 20)

1. Cardiac Vector.
2. Cellular Immunity.
3. Fate of Erythrocyte.
4. Jaundice and its classification.
5. Function of Leukocyte.
6. Heparin.
7. First Heart Sound.
8. Hemorrhage.
9. Lung Compliance.
10. Dead Space.
