

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

[BNYS 0321]

MARCH 2021

Sub. Code: 1505

(MAY 2020 & AUGUST 2020 SESSION)

B.N.Y.S. DEGREE EXAMINATION

FIRST YEAR (From the academic year 2013-14) – PART II

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. Give an account on the intrinsic mechanism of coagulation of blood and add note on bleeding disorders.
2. Explain the composition and functions of gastric juices and give an account of normal regulation of gastric secretion.

II. Write notes on:

(10 x 5 = 50)

1. Explain the role of the hypothalamus in temperature regulation.
2. Describe the conductive system of the heart.
3. Explain re-absorption of water in renal tubule.
4. Describe the mechanism of passive transport of substances through cell membrane.
5. Explain the fate of RBCs.
6. Explain functions of saliva.
7. Concentration of urine.
8. Define ECG and explain on various ECG leads.
9. Explain chemo regulation in respiration.
10. Spirometry.

III. Short Answers on:

(10 x 2 = 20)

1. Define Pinocytosis.
2. What are Anticoagulants?
3. What is Sham feeding?
4. Explain Hypothermia.
5. Describe Marey's reflex.
6. Define Acclimatization.
7. What are Pheromones?
8. Describe Immunization.
9. What is the normal blood volume?
10. Explain Defecation.
