

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

[BNYS 0322]

**MARCH 2022**  
**(FEBRUARY 2021 & MAY 2021 SESSIONS)**

**Sub. Code: 1505**

**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. Write a detailed note on Morphological and etiological classification of Anaemia and add a note on signs and symptoms of Anaemia.
2. Explain the composition, function and regulation of secretion of pancreatic juice.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Note on Intrinsic nerve supply of gastrointestinal tract.
2. Note on Intestinal Villi.
3. Note on concentration of urine.
4. Write the properties of cardiac muscle.
5. Note on functions of skin.
6. Write a note on heart sound.
7. Explain the normal ECG waves.
8. Write a note on structure of DNA.
9. Note on cell adaptation.
10. What are the factors which affect the rate of diffusion?

**III. Short Answers on:**

**(10 x 2 = 20)**

1. What is Ligand gated channel?
2. What is Pinocytosis?
3. What is Plasma pheresis?
4. Write the maturation factors of RBC.
5. What is Xerostomia?
6. Major action of Secretin.
7. What is Static compliance.
8. Define Vital capacity.
9. What is Haldane effect?
10. Define Dyspnoea.

\*\*\*\*\*