

[LK 1505]

MAY 2017

Sub.Code :1505

**FIRST B.N.Y.S. DEGREE EXAMINATION
PAPER III – HUMAN PHYSIOLOGY - I**

Q.P. Code : 821505

Time: Three Hours

Maximum : 100 Marks

Answer All questions

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. Factors necessary for erythropoiesis.
2. Active transport.
3. Explain positive feedback mechanism with example.
4. Acidification of urine.
5. Properties of cardiac muscle.
6. Artificial respiration.
7. Regulation of heart rate.
8. Short note on mitochondrion.
9. Functions of RBC.
10. Cell mediated immunity.

III. Short Answers on:

(10 x 2 = 20)

1. Apoptosis.
2. Osmosis.
3. Plasmapheresis.
4. Erythropoietin.
5. Normal values of ESR.
6. Tidal volume.
7. Mass peristalsis.
8. Marey's reflex.
9. Surfactant.
10. Bohr's effect.
