

[LO 1505]

MAY 2019

Sub. Code: 1505

FIRST B.N.Y.S. DEGREE EXAMINATION

PART – II

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. Explain in detail about the mechanism, concentration and acidification of Urine.
2. Elaborate the movements of Gastrointestinal tract with its regulation.

II. Write notes on:

(10 x 5 = 50)

1. Transport of O₂ and diffusion of gases across pulmonary membrane.
2. Nervous and chemical regulation of respiration.
3. Properties of Cardiac Muscle.
4. Origin, morphology and functions of Thrombocytes.
5. Immunity and its classification.
6. Digestion and absorption of fats.
7. Regeneration and spread of cardiac impulse.
8. Non respiratory functions of lungs.
9. Composition, function and regulation of Bile.
10. Cardiovascular and respiratory changes during exercise.

III. Short Answers on:

(10 x 2 = 20)

1. Hyperbarrism.
2. Composition of saliva.
3. Types of Leukocytes.
4. Nephrons and its types.
5. Succus entericus.
6. Einthoven's Law.
7. Muscles help in respiration.
8. Composition of expired air.
9. Factors required for Erythropoiesis.
10. RH blood group system.
