

[LL 1505]

OCTOBER 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. Describe the process of urine formation.
2. Explain the transport of oxygen and carbon dioxide in blood.

**II. Write notes on:**

**(10 x 5 = 50)**

1. RH factor.
2. Passive transport.
3. Account on succus entricus.
4. Regulation of gastric secretion.
5. Transfusion reaction due to ABO incompatibility.
6. Renal autoregulation.
7. Comment on normal ECG waves.
8. Respiratory changes at high altitude.
9. Hemodynamics.
10. Chemical regulation of respiration.

**III. Short Answers on:**

**(10 x 2 = 20)**

1. Agglutination.
2. Oncotic pressure.
3. Rouleaux formation.
4. Aplastic anemia.
5. Define antibodies.
6. Segmentation contraction.
7. Landsteiner's law.
8. All or none law.
9. Dyspnea.
10. Hering-breuer reflex.

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