

[LP 1501]

OCTOBER 2019

Sub. Code: 1501

**FIRST B.N.Y.S. DEGREE EXAMINATION**

**PAPER I – BIO - CHEMISTRY**

*Q.P. Code : 821501*

**Time: Three Hours**

**Maximum : 100 Marks**

**Answer All questions**

**I. Essay Questions:**

**(2 x 15 = 30)**

1. Explain in detail on regulation of blood sugar, glucose tolerance tests and diabetes mellitus.
2. Explain liver function tests in detail.

**II. Write Notes on:**

**(10 x 5 = 50)**

1. Properties and classification of proteins.
2. Fatty liver and lipo tropic factors.
3. Explain polysaccharides and its functions.
4. Write about Vitamin B12.
5. Explain Glycogenesis.
6. Formation of Ketone bodies.
7. Biological importance of peptides.
8. Electrolytes and water metabolism.
9. Role of Kidneys in maintaining PH of blood.
10. Write notes on Vitamin A.

**III. Short Answers on:**

**(10 x 2 = 20)**

1. Prostaglandins and Leukotrienes.
2. Write about Beriberi.
3. Structure of Haemoglobin and its functions.
4. Write about fatty acids and its classification.
5. Gouty arthritis.
6. Iodine and its importance.
7. What are plasma proteins?
8. Write about Invert sugar.
9. What is Thalassemia?
10. What are Nucleic acids?

\*\*\*\*\*