

[LN 1501]

OCTOBER 2018

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 Embden Meyerhof Pathway and Citric Acid Cycle.
2. Explain in detail about Amino Acid and its classification.

**II. Write Notes on:**

**(10 x 5 = 50)**

1. Explain Diabetes mellitus and GTT.
2. Write a short note on Phospholipids.
3. Explain Urea cycle.
4. Explain Chromatography.
5. Explain Steroids.
6. Explain Vitamin D.
7. Write a short note fat.
8. Define enzymes and classification.
9. Explain structure and function of Haemoglobin.
10. Define Jaundice and its classification.

**III. Short Answers on:**

**(10 x 2 = 20)**

1. Calciferol.
2. Wilson Disease.
3. Dextrin.
4. Niacin.
5. Fructosuria.
6. Why vitamin A is considered a hormone?
7. Genes.
8. Gangliosides.
9. Peptides.
10. Wax.

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