

[LE 1501]

FEBRUARY 2014

Sub.Code :1501

FIRST YEAR B.N.Y.S. DEGREE EXAM

PAPER I – BIOCHEMISTRY

*Q.P. Code : 821501*

**Time: Three hours**

**Maximum : 100 Marks**

**Answer All questions**

**I. Essays Questions: (2X15=30)**

1. Principles of Colorimetry, Paper chromatography and electrophoresis Henderson-Haselbasch Equation
2. Outline of Synthesis of Purine and Pyrimidine and Disorders of Metabolism of Purine and Pyrimidine

**II. Short notes: (10x5=50)**

1. Digestion and absorption of Carbohydrates
2. Metabolism of Fructose and Galactose
3. Fatty Liver and Lipotropic Factors
4. Electrolytes Metabolism
5. Kidney Function test
6. Balanced diet
7. Transport across the cell membrane
8. Biochemistry of Starvation
9. Write a note on Ketogenesis
10. Functions of Hemoglobin

**III. Short answers: (10x2=20)**

1. Deficiency of vitamin A
2. Classification of Nucleic acids
3. Plasma proteins
4. Urea cycle
5. What is a Cofactor?
6. Types of Aminoacids
7. Disorders of Iron Deficiency
8. Stereoisomerism
9. Isoenzymes
10. Myoglobin

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