

FIRST B.N.Y.S. DEGREE EXAM**PAPER I – BIO CHEMISTRY***Q.P. Code : 821501***Time: Three Hours****Maximum : 100 Marks****Answer All questions****I. Essays Questions:****(2 x 15 = 30)**

1. Explain in detail about the Enzyme specificity cofactors and activators and Diagnostic importance of Diassacharides
2. Briefly Explain about the Biosynthesis of Lecithin, Cephalin and their break down. Oxidation of fatty acid, formation and utilization of Ketone bodies.

II. Write Notes on:**(10 x 5 = 50)**

1. General Metabolism of amino acids.
2. Oxidative Phosphorylation.
3. Functions of Immunoglobulins.
4. Abnormal Haemoglobulins.
5. Protein energy malnutrition.
6. Balanced diet.
7. Write a note on Prostaglandin.
8. Blood as a Buffer.
9. Disposal of Ammonia.
10. Glucose Tolerance test.

III. Short Answers on:**(10 x 2 = 20)**

1. Replication and Transcription.
2. Acidosis and Alkalosis.
3. Deficiency of vitamin A.
4. Define Starvation.
5. What is Jaundice?
6. Define Glycolipids.
7. Structure of Insulin.
8. RNA structure.
9. Denaturation of protein.
10. Define Peptides.
