

[LD 0212]

AUGUST 2013

Sub.Code :6005

**B.SC. OPTOMETRY  
FIRST YEAR  
PAPER IV – BASIC BIOCHEMISTRY (I & II)  
Q.P. Code: 806005**

**Time: Three hours**

**Maximum : 100 Marks**

**Answer All questions**

**I Elaborate on:**

**(3x10 =30)**

1. Describe in detail about the various steps involved in glycolysis.
2. Explain the classification, sources and functions of vitamins.
3. Give a detailed answer on types of enzyme inhibition.

**II. Write short notes on**

**(8X5 =40)**

1. Cellulose – sources and functions.
2. Triglycerides.
3. Functions of sodium and potassium.
4. Functions of proteins.
5. Factors affecting enzyme action.
6. Biological functions of insulin.
7. Biological significance of urea.
8. Classification of enzymes.

**III. Short answers on.**

**(10X3 =30)**

1. What is hypervitaminosis.
2. What is keratomalacia.
3. What is stereoisomerism.
4. What are chylomicrons.
5. What is a disaccharide.
6. Write about Diabetes mellitus.
7. Give the principle of spectrophotometer.
8. Write about Tears.
9. Give any three functions of copper.
10. Functional proteins.

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