

[LI 0216]

FEBRUARY 2016

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:

(3 x 10 = 30)

1. Describe in detail about Vitamin A – Sources, RDA, Functions, deficiencies and hypervitaminosis.
2. Elaborate on classification of fatty acids.
3. Explain briefly about Plasma Proteins. Add note on functions and clinical applications of albumin.

II. Write notes on:

(8 x 5 = 40)

1. Electrophoresis.
2. Phospholipids.
3. Essential and semi essential Aminoacids.
4. Wald's Visual Cycle.
5. Tears.
6. Functions of Calcium.
7. Mucopolysaccharides.
8. Ketone Bodies.

III. Short answers on:

(10 x 3 = 30)

1. Saponification Number.
2. Branched chain Amino Acids.
3. Write about percentage solution.
4. Bitot spots.
5. Buffers.
6. Radioisotopes.
7. Glycogen.
8. Eye damage caused by diabetes mellitus.
9. Prosthetic factors.
10. Significance of Bilirubin Estimation.
