

Q.P. Code: 221013

Reg. No.:.....

**Second Year B.Sc Optometry Degree Supplementary Examinations
May 2023**

Nutrition, Biochemistry & Pharmacology

(2016 scheme)

Time: 2 hrs

Max marks: 40

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay: (10)

1. Describe the classification of enzymes. Add a note on factors affecting enzyme activity. (6+4)

Short Notes: (3x5=15)

2. Von Gierke's disease.
3. Important compounds formed from tyrosine.
4. Biochemical functions of vitamin A.

Answer Briefly: (5x2=10)

5. Protein energy malnutrition.
6. Hemolytic jaundice.
7. Prostaglandins.
8. Composition of tear film.
9. Functions of iron.

Fill in the blanks: (5x1=5)

10. ----- is the disease produced due to deficiency of vitamin C.
11. ----- is the immunoglobulin which crosses placenta.
12. The normal level of serum calcium is -----
13. The limiting amino acid in pulses is -----
14. End product of heme catabolism is -----
