

Q.P. Code: 221013

Reg. No.:.....

Second Year B.Sc Optometry Degree Supplementary Examinations

May 2025

Nutrition, Biochemistry & Pharmacology

Section A : Nutrition, Biochemistry

(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. What is the normal blood glucose level. How it is regulated in the body. Add a note on chronic complications of diabetes mellitus. (1+4+5)

Short Notes:

(3x5=15)

2. Structure and functions of Immunoglobulins
3. TCA Cycle
4. Features of vitamin A deficiency

Answer Briefly:

(5x2=10)

5. Lipoproteins
6. Role of copper in the body
7. Types of Jaundice
8. Dietary Fiber
9. Corneal metabolism

Fill in the blanks:

(5x1=5)

10. Molecules having only one potential sugar group are called -----
11. The precursor amino acid for thyroid hormone synthesis is -----
12. The essential fatty acids are ----- and -----
13. Example for complete protein is -----
14. Active form of methionine is -----
