

**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 -----

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