

**Q.P. Code: 221013**

**Reg. No.:.....**

**Second Year B.Sc Optometry Degree Regular/Supplementary  
Examinations February 2021**

**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. Discuss the source, daily requirement, biological role, and deficiency manifestations of vitamin A.

**Short Notes:** (3x5=15)

2. Oral glucose tolerance test.
3. Important compounds formed from tyrosine.
4. Enzymes elevated in liver disease and mention their normal levels.

**Answer Briefly:** (5x2=10)

5. Nitrogen balance.
6. Chronic complications of diabetes.
7. Absorption of iron.
8. Composition of tear.
9. Structure of immunoglobulin.

**Fill in the blanks:** (5x1=5)

10. .... hormone inhibit gluconeogenesis.
11. Sulphur containing amino acids are ..... and .....
12. .... is the vitamin produced from cholesterol.
13. Normal serum bilirubin level is .....
14. Most important plasma buffer is .....

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