

Q.P. Code: 221013

Reg. No.:.....

Second Year B.Sc Optometry Degree Supplementary Examinations  
June 2022

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 beta oxidation of palmitic acid in detail. Add a note on its energetics. (7+3)

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

2. Classification of enzymes.
3. Significance of TCA cycle
4. Diabetes mellitus.

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

5. Functions of zinc
6. Tear substitutes
7. Dietary fibre
8. Antioxidants
9. Buffers

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

10. \_\_\_\_\_ is the immunoglobulin of primary immune response.
11. Normal range of fasting blood glucose level is \_\_\_\_\_
12. Scurvy is due to deficiency of \_\_\_\_\_
13. The enzyme deficient in Von Gierke's disease is \_\_\_\_\_
14. \_\_\_\_\_ is the rate limiting enzyme of heme biosynthesis

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