

Q.P. Code: 221013

Reg. No.:.....

**Second Year B.Sc Optometry Degree Supplementary Examinations
May 2024**

**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. Discuss the steps involved in detoxification of Ammonia. Add a note on its energetics. (8+2)

Short Notes: (3x5=15)

2. TCA cycle
3. Galactose metabolism and its disorder
4. Classification of lipids

Answer Briefly: (5x2=10)

5. Von Gierkes disease
6. Give any FOUR functions of Prostaglandins
7. Diabetic cataract
8. Antioxidant role of Vitamin E
9. Complete protein with examples

Fill in the blanks: (5x1=5)

10. The main hypoglycaemic hormone
11. Beriberi is due to the deficiency of vitamin
12. The normal serum level of calcium is.....
13. The amino acid deficient in pulses.....
14. is known as bad cholesterol.
