

Q.P. Code: 221013

Reg. No.:.....

**Second Year B.Sc Optometry Degree Supplementary Examinations
October 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. Describe the urea cycle. How is the pathway regulated. What are the disorders of urea cycle. (5+2+3)

Short Notes: (3x5=15)

2. Glucose tolerance tests
3. Enzyme inhibition
4. Protein energy malnutrition

Answer Briefly: (5x2=10)

5. Gamma amino butyric acid
6. Functions of vitamin E
7. Obstructive jaundice
8. Intraocular gels
9. Polyunsaturated fatty acids

Fill in the blanks: (5x1=5)

10. _____ is the disease produced due to deficiency of vitamin D in children
11. _____ is the immunoglobulin elevated in allergic disorders
12. The normal serum level of total cholesterol is _____
13. The main hypoglycemic hormone is _____
14. _____ is the primary ketone body
