

Q.P. Code: 221013

Reg. No.:.....

**Second Year B.Sc Optometry Degree Supplementary Examinations
February 2020**

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. What is beta oxidation of fatty acids. Describe briefly on steps and energetics of beta oxidation

Short Notes: (3x5=15)

2. Glycogen storage diseases
3. Hyper lipidemia
4. Factors affecting enzyme action

Answer Briefly: (5x2=10)

5. Dietary fibres
6. Uremia
7. Mutations
8. Cori's cycle
9. Jaundice

Fill in the blanks: (5x1=5)

10. Scurvy is due to deficiency of _____
11. Iodine deficiency causes _____
12. Phenyl ketonuria due to deficiency of _____
13. Galactosemia is due to the deficiency of
14. Normal blood pH is _____
