

**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 \_\_\_\_\_

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