

Q.P. Code: 221013

Reg. No.:.....

**Second Year B.Sc Optometry Degree Supplementary Examinations
April 2019**

Nutrition, Biochemistry & Pharmacology

(2016 scheme)

Time: 2 hrs

Max marks: 40

- **Answer all questions**
- **Draw diagrams wherever necessary**

Essay: (10)

1. What is normal blood sugar level. Discuss briefly on blood sugar regulation

Short Notes: (3x5=15)

2. Diabetes mellitus
3. Nitrogen balance
4. Lipo protein

Answer Briefly: (5x2=10)

5. Balanced diet
6. Essential fatty acid
7. Buffers
8. Aqueous humor
9. PorphyrinS.

Fill in the blanks: (5x1=5)

10. The active form of vitamin D is _____
11. Rappaport – Leubering cycle is associated with synthesis of _____
12. Normal serum potassium level is _____
13. The enzyme defect in von-Gierkes disease is _____
14. Gluco neogenesis occurs most predominantly in _____
