

Q.P. Code: 204013 (Old scheme)

Reg. No.:.....

Second Year B.Sc Optometry Degree Supplementary Examinations April 2017

Nutrition & Biochemistry

(2010 scheme)

Time : 3 hrs

Max marks : 80

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

Essays

(2x15=30)

1. What is glycolysis. Describe the steps of glycolysis and add a note on regulation.
(1+12+2)
2. What are the sources, biochemical functions and deficiency manifestations of vitamin D
(2+7+6)

Short notes

(5x5=25)

3. IUBMB classification of enzymes
4. Calcium homeostasis
5. Balanced diet
6. Vitreous humor
7. Beta-oxidation

Answer briefly

(10x2=20)

8. GABA
9. Marasmus
10. Significance of TCA cycle
11. Prostaglandins
12. Immunoglobulin
13. Jaundice
14. Dietary fibre
15. Porphyria
16. Vitamin E
17. Functions of albumin

One word answer

(5x1=5)

18. What is normal fasting blood glucose level.
19. Name one copper containing enzyme
20. What is metabolic acidosis.
21. Deficiency manifestations of thiamine
22. Name one essential fatty acid
