

Second Year B.Sc Optometry Degree Examinations – November 2015

Nutrition & Biochemistry**Time : 3 hrs****Max marks : 80**

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

Essays**(2x15=30)**

1. What is normal calcium level. What are the biochemical functions of calcium. How calcium is regulated in the body. (1+7+7=15)
2. Define glycolysis. Describe steps of glycolysis. How glycolysis is regulated in the body (1+11+3=15)

Short notes**(5x5=25)**

3. Tear film
4. Dietary fiber
5. Vitamin E
6. What are the factors affecting enzyme action
7. Vitreous humor

Answer briefly**(10x2 = 20)**

8. Immunoglobulin

9. High density lipoprotein

10. Thiamine

11. Copper

12. Hemolytic jaundice

13. Metabolic acidosis

14. Essential fatty acids

15. Structure of retina

16. Rothera's test

17. Porphyria

One word answer**(5x1 = 5)**

18. What is normal fasting blood sugar level

19. Deficiency manifestation of vitamin C

20. Enzyme deficient in albinism

21. What is the normal anion gap

22. Name one enzyme containing selenium
