

Second Year B.Sc Optometry Degree Supplementary Examinations
October 2018

Nutrition & Biochemistry

(2010 scheme)

Time: 3 hrs

Max marks: 80

- Answer all questions
- Draw diagram wherever necessary

Essays

(2x15=30)

1. What is the normal blood sugar level. How is it regulated in our body. Add a note on acute complications of diabetes mellitus. (2+8+5)
2. What are the sources, biochemical functions, recommended daily allowance and deficiency manifestations of vitamin A. (2+6+1+6)

Short notes

(5x5=25)

3. Immunoglobulins
4. Retinal neurochemistry
5. Enzyme inhibition
6. Atherosclerosis
7. Cataract

Answer briefly

(10x2=20)

8. Dietary fibre
9. Essential amino acids
10. Scurvy
11. Irrigating solutions
12. GABA
13. Nitrogen balance
14. Methanol poisoning
15. Antioxidants
16. Iron absorption
17. Two coenzyme functions of niacin

Give precise answer

(5x1=5)

18. Name two glycosaminoglycans
19. Name two clinically important enzymes
20. Define metabolic alkalosis
21. Normal pH of blood
22. Name two neuropeptides