

2010 scheme

Q.P. Code: 204013

Reg. No.:.....

Second Year B.Sc Optometry Degree Supplementary Examinations February 2020 Nutrition & Biochemistry

Time: 3 hrs

Max marks: 80

- *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*

Essays

(2x15=30)

1. Describe the steps of beta oxidation of fatty acids. Explain the regulation of beta oxidation. Energetics of beta oxidation. (10+3+2)
2. Discuss the functions and deficiency manifestations of Vitamin C. Add a note on dietary sources and recommended dietary allowance. (12+ 3)

Short notes

(5x5=25)

3. Factors affecting enzymes action
4. Functions of phosphorus
5. Special products synthesized from tyrosine
6. Fructose metabolism
7. Porphyrins

Answer briefly

(10x2=20)

8. Acid base disorders
9. Balanced diet
10. Gamma amino butyric acid
11. Intraocular pressure
12. Corneal transparency
13. Prostaglandins
14. Vitamin D deficiency
15. Incomplete protein
16. Free radicals
17. Lipoproteins

Give precise answer

(5x1=5)

18. Name two essential amino acids
19. Name two fat soluble vitamins
20. Clinically important enzymes
21. Energy value of proteins
22. Storage form of lipids in the body
