



First Year BPT Degree Supplementary Examinations , April 2015

(2010 scheme)

Biochemistry and Nutrition

Time : 3 hrs

Max marks : 100

- Answer all questions
- Draw diagrams wherever necessary

Essays:

(2x10=20)

1. Describe the pathway of glycolysis and its regulation
2. Give the source, RDA, functions and deficiency manifestations of vitamin D

Short notes:

(10x5=50)

3. Beriberi
4. Lipoproteins
5. Lactose intolerance
6. Transamination
7. Specific dynamic action
8. Ketogenesis
9. OGTT
10. Factors influencing enzyme activity
11. Role of hemoglobin in the regulation of acid-base balance
12. Protein energy malnutrition

Answer briefly:

(10x3=30)

13. Denaturation of proteins
14. Fatty liver
15. Inhibitors of cytochrome oxidase
16. Gout
17. FUNCTIONS OF VITAMIN K
18. Compounds synthesized from tryptophan
19. Passive transport
20. ELISA
21. PUFA
22. BMR
