

Second Year B.Sc MLT Degree Supplementary Examinations March 2019

Biochemistry - II

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Explain the reactions by which ammonia is formed in the body and discuss how it is converted to urea and add a note on its regulation. (3+5+2)
2. Describe the dietary source, daily requirements, biological functions and deficiency manifestations of vitamin D. (1+1+4+4)

Short notes

(10x5=50)

3. Gout
4. Ketosis.
5. Rapaport Leubering cycle
6. Coenzyme role of riboflavin
7. Compound formed from cholesterol.
8. Regulation of glycogen metabolism
9. Formation and functions of glutathione.
10. Composition and analysis of synovial fluid
11. Site specific inhibitors of electron transport chain
12. Detection of inorganic and organic constituents in normal urine

Answer briefly

(10x3=30)

13. GABA.
14. Beriberi
15. Bile salts
16. Foam test.
17. Leukotrienes
18. Orotic aciduria.
19. Beer Lamberts law.
20. Functions of albumin
21. Poly unsaturated fatty acid
22. Estimation of serum creatinine