

Second Year B.Sc MLT Degree Supplementary Examinations April 2018

Biochemistry - II

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. What are the different types of oxidation of fatty acid. Discuss the β oxidation of fatty acid and add a note on its energetics. (2+6+2)
2. Write the dietary source, daily requirements, biological functions and deficiency manifestations of vitamin C (1+1+4+4)

Short notes

(10x5=50)

3. Ketosis.
4. Lipid profile.
5. Garrod's tetrad.
6. Fate of pyruvate.
7. Transamination reaction.
8. Hormonal regulation of blood glucose.
9. Estimation of blood cholesterol level.
10. Site specific inhibitors of electron transport chain.
11. Tests to detect organic constituents in normal urine.
12. Screening tests for inborn errors of amino acid metabolism

Answer briefly

(10x3=30)

13. Marasmus
14. Pellagra.
15. Cori's cycle.
16. Fouchet's test.
17. Trans fatty acids.
18. Von Gierke's disease.
19. Glucose tolerance test.
20. Biological role of vitamin K.
21. Significances of HMP shunt pathway.
22. Normal blood level and daily excretion of NPN compounds