

Third Year B.Sc MLT Degree Examinations October 2017

BIOCHEMISTRY-III

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Describe aminoacidurias in detail. (10)
2. Explain porphyrias and its laboratory investigations (7+3= 10)

Short notes

(10x5=50)

3. Immunoelectrophoresis
4. Thalassemias
5. Analysis of biliary calculi
6. Isoenzymes
7. Hemoglobin derivatives
8. Enzyme kinetics
9. Jaundice
10. Enzyme inhibitions
11. Enzyme profile in liver disease
12. Functions of hemoglobin

Answer briefly

(10x3=30)

13. Amylase
14. Urea clearance
15. Carboxy hemoglobin
16. Estimation of serum ceruloplasmin
17. Enolase
18. Allosteric regulation of enzymes
19. Ion exchange chromatography
20. 5'- Nucleotidase
21. Gel electrophoresis
22. Thin layer chromatography