

Third Year B.Sc MLT Degree Supplementary Examinations, May 2014

BIOCHEMISTRY-III

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. What are the factors affecting enzyme activity (10)
2. Discuss the catabolism of heme. Describe briefly on jaundice. (6+ 4=10)

Short notes

(10x5=50)

3. Classification of enzymes
4. Chromatography of sugars
5. Methods for estimation of transaminases
6. Enzyme inhibition
7. Gas liquid chromatography
8. Enzyme linked immunosorbant assay
9. Plasma enzyme pattern in muscle diseases.
10. Describe the methods for the estimation of porphyrins and its precursors in urine
11. Biliary calculi analysis
12. Hemoglobin derivatives

Answer briefly

(10x3=30)

13. Lipase
14. Co factors
15. Receptor assays
16. Bohr effect
17. SDS-PAGE
18. Glucose 6 phosphate dehydrogenase
19. Urea clearance
20. Gel electrophoresis
21. Thalassemia
22. Fluorescent immunoassay
