

Third Year B.Sc MLT Degree Examinations, October 2014

BIOCHEMISTRY-III

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Define jaundice. Discuss the types, causative factors and investigations done for the diagnosis of different types of jaundice.
2. Discuss the role of isoenzymes as a diagnostic tool

Short notes

(10x5=50)

3. Transport of carbon dioxide in blood
4. Homocystinuria
5. Thin layer chromatography
6. Analysis of biliary calculi
7. Electrophoretic pattern in multiple myeloma
8. ELISA
9. Creatinine clearance
10. Clinical significance of AST
11. Investigations done in porphyrias
12. Competitive inhibition

Answer briefly

(10x3=30)

13. Electroendosmosis
14. Methaemoglobin
15. Cholinesterase
16. Ehrlich's test
17. Cofactors
18. Haldane effect
19. Pancreatic lipase
20. Fluorescent immunoassay
21. Isocitrate dehydrogenase
22. Applications of Agar in Biochemistry