

Third Year B.Sc MLT Degree Supplementary Examinations May 2018

BIOCHEMISTRY-III

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Explain the classification and mechanism of action of enzymes. (5+5)
2. Discuss the principle of chromatography and describe briefly paper chromatography. (2+8)

Short notes

(10x5=50)

3. Sickle cell anemia
4. Analysis of urinary calculi
5. High pressure liquid chromatography
6. Radioimmunoassay
7. Hemoglobin electrophoresis
8. Co- enzymes
9. Catabolism of heme
10. Estimation of bilirubin
11. Acute intermittent porphyria
12. Enzyme pattern in muscle disease

Answer briefly

(10x3=30)

13. Cholinesterase
14. Creatinine clearance
15. Antigen – antibody reactions
16. Isohydric transport of carbon dioxide
17. Amylase
18. Ceruloplasmin
19. Isoelectric focusing
20. Estimation of glucose 6 phosphate dehydrogenase
21. Myoglobin
22. Adsorption chromatography