

QP CODE: 301012

Reg No:.....

Third Year B.Sc MLT Degree Examinations, November 2015

BIOCHEMISTRY-III

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Define electrophoresis and discuss the different types. Add a note on the recent advances in this technique.
2. Classify enzymes. Discuss the factors affecting enzyme activity

Short notes

(10x5=50)

3. Primary porphyrias
4. Alkaptonuria
5. Markers of cholestasis
6. End point assays
7. Iso-enzymes of creatinine kinase
8. Clearance tests
9. Oxygen dissociation curve
10. Chromoproteins
11. Plasma enzymes in myocardial infarction
12. Acid phosphatase

Answer briefly

(10x3=30)

13. Ceruloplasmin
14. Non competitive inhibition
15. Carboxy hemoglobin
16. Soret band
17. Km value
18. Hamburger effect
19. FISH (Fluorescent in situ hybridization)
20. Watson –Schwartz test
21. Enolase
22. Glucose 6 phosphate dehydrogenase
