

QP CODE: 301012

Reg No:.....

Third Year B.Sc MLT Degree Supplementary Examinations, April 2016

BIOCHEMISTRY-III

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Define chromatography. Discuss the diagnostic role of chromatography in aminoacidurias.
2. Discuss the different types of enzyme inhibition

Short notes

(10x5=50)

3. Glycosylated hemoglobin
4. Phenylketonuria
5. Estimation of serum bilirubin
6. Analysis of urinary calculi
7. Iso-enzymes of alkaline phosphatase
8. Urea clearance
9. Diagrammatically explain the electrophoretic pattern in nephrotic syndrome
10. RIA
11. Regulation of haem synthesis
12. SDS PAGE

Answer briefly

(10x3=30)

13. Amylase
14. Allosteric regulation
15. Sickle cell hemoglobin
16. Fouchet's test
17. Myoglobin
18. Bohr effect
19. Coenzymes
20. Mechanism of release of hepatic enzymes
21. Isoelectric focusing
22. Agarose
