

QP CODE: 301012

Reg No:

Third Year B.Sc MLT Degree Examinations, September 2016

BIOCHEMISTRY-III

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Mention the principle and procedure for electrophoresis of plasma proteins. Discuss the electrophoretic pattern in •liver diseases • nephrotic syndrome (2+5+3=10)

2. Describe in detail the catabolism of haem (10)

Short notes

(10x5=50)

3. Principle and procedure of ELISA
4. Tests done in obstructive jaundice
5. Name the coenzymes of thiamine and their role in metabolism
6. Diagrammatically represent the basic components of HPLC
7. Ceruloplasmin
8. Mention the different types of renal calculi and their analysis.
9. Classify enzymes giving examples for each group.
10. Bohr effect.
11. Noncompetitive inhibition
12. Urea clearance

Answer briefly

(10x3=30)

13. Iso -electric focussing
14. Markers of myocardial injury
15. so enzymes of alkaline phosphatase.
16. Watson-Schwartz test
17. Methaemoglobin
18. Effect of pH on enzyme action
19. Clinical significance of choline esterase
20. Myoglobin
21. sample preparation for urine chromatography
22. Non protein enzymes
