

QP CODE: 103012

Reg No:.....

First B.Sc MLT Degree Examinations, September 2014

BIOCHEMISTRY

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Enumerate the various hazards that can occur in a clinical lab and discuss about the hazards from dangerous chemicals. (3 + 7 = 10)
2. What are the different levels of organization of proteins. Discuss the primary structure of proteins with suitable example . (2 + 8 =10)

Short notes

(10x5=50)

3. Fluorimetry
4. Functions of lipids.
5. Flame photometry.
6. Glucose transporters.
7. Denaturation of proteins.
8. Structure of biomembrane.
9. Structure and functions of t RNA.
10. Active transport across cell membrane.
11. Preparation of 500ml of 0.1M silver nitrate.
12. Preparation of cleaning solution for biochemical glass wares in a clinical lab.

Answer briefly

(10x3=30)

13. Histones.
14. Lysosomes
15. Distilled water.
16. Rancidity of fat.
17. Oxidation of glucose.
18. Anomerism in sugars
19. Units of radio activity.
20. Composition of borosilicate glass wares.
21. Muta rotation and its practical importance.
22. Define normality. Mention the procedure for preparation of 1N HCl.
