

QP CODE: 103012

Reg No:.....

First B.Sc MLT Degree Examinations, September 2013

BIOCHEMISTRY

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Discuss about collection, preservation and processing of various biological specimen for biochemical analysis. (10)
2. Discuss the components, principle and working of atomic absorption spectrophotometer. (10)

Short notes

(10x5=50)

3. S I units.
4. Radiation hazards.
5. Analytical balances.
6. Denaturation of proteins.
7. First aid in the laboratory.
8. Water as a universal solvent.
9. Reactions of NPN substances.
10. Structure and functions of phospholipids.
11. Metabolic function of sub cellular organelles.
12. Preparation of cleaning solution for a clinical chemistry lab.

Answer briefly

(10x3=30)

13. B-DNA.
14. pH meter.
15. Zwitterion.
16. Benedict's test.
17. Omega 3 fattyacids
18. Saponification number.
19. Filters used in colorimeter.
20. Maintenance of centrifuge.
21. Precaution against fire in a clinical chemistry lab.
22. Name the pyrimidine bases and narrate the structure of any two.
