

QP CODE: 103012

Reg No:.....

First Year B.Sc MLT Degree Supplementary Examinations, April 2015

BIOCHEMISTRY

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Classify proteins based on functions and composition
2. Explain the principle of colorimeter. Describe in detail the parts of a colorimeter and add a note on its use

Short notes

(10x5=50)

3. Structure of DNA
4. Preservation and processing of biological specimens for biochemical analysis
5. Spectrophotometry
6. Anti coagulants
7. Mucopolysaccharides
8. Sphingo lipids
9. Structure and functions of lysosome
10. Measurements and applications of radioactivity
11. Fluid mosaic model of cell membrane with a diagram
12. Preparation and storage of distilled water

Answer briefly

(10x3=30)

13. Centrifuge
14. Care of single pan balance
15. Cleaning of a new glass ware
16. Emulsions
17. Osmosis and its application
18. Iodine number
19. Muta rotation
20. Essential fatty acid
21. • Name essential sulphur containing amino acid • Diastereic isomer of galactose
• Functional group of histidine
22. How will you prepare a 100 ml 0.1 N NaOH solution
