

QP CODE: 103012

Reg No:.....

**First Year B.Sc MLT Degree Supplementary Examinations
August 2019**

Biochemistry

(Common for 2010 and 2015 Scheme)

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Discuss about the laboratory hazards and safety measures.
2. Discuss the functions of proteins and add a note on primary structure of proteins

Short notes

(10x5=50)

3. Calibration of pipettes.
4. Water as a universal solvent.
5. Reactions of NPN compounds.
6. Chemical indicators and its use
7. Isomerism in mono saccharides.
8. Functions of cellular organelles.
9. Structure and functions of t RNA
10. Digestion and absorption of lipids.
11. Preparation and use of various anticoagulants.
12. Normal solution, molar solution and percent solution

Answer briefly

(10x3=30)

13. Zwitter ion.
14. Sakaguchi's test.
15. Single pan balance.
16. Benedict's reaction.
17. Essential fatty acids.
18. Units of radioactivity.
19. Double distilled water.
20. Saponification number
21. Components of a single cell photometer.
22. Difference between purines and pyrimidines
