

First Year B.Sc MLT Degree Supplementary Examinations March 2018**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 water as a universal solvent.
2. Mention the differences between eukaryotic and prokaryotic cells. Discuss the structure and functions of plasma membrane

Short notes**(10x5=50)**

3. Anticoagulants
4. Polysaccharides.
5. Absorption filters.
6. Urine preservatives.
7. Functions of nucleotides
8. Preparation of normal saline.
9. First aid measures in a laboratory.
10. Digestion and absorption of lipids
11. Characteristics of α , β & γ radiations.
12. Reactions of non-protein nitrogenous substances

Answer briefly**(10x3=30)**

13. Desiccator.
14. Zwitterion.
15. Cardiolipins.
16. Benedict's test.
17. Primary standards.
18. Calibration of pipettes.
19. Structure of pyrimidines.
20. Poly unsaturated fatty acids.
21. Diastereo isomers of glucose.
22. Henderson-Hasselbach equation.
