

**First Year B.Sc MLT Degree Supplementary Examinations
September 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 the primary structure of protein with suitable example and add a note on elucidation of primary structure
2. Classify carbohydrates and add a note on stereoisomers of monosaccharide

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

3. Mitochondria
4. Laboratory safety
5. Flame photometer
6. Properties of colloids
7. Denaturation of proteins
8. Fluid mosaic model of membrane
9. Applications radioactivity for diagnosis
10. Structure and functions of phospholipids.
11. Working principle and types of centrifuge
12. Plastic tubes used in blood collection for various parameters

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

13. Casein
14. Osmosis
15. Nucleosomes
16. Glycoproteins
17. Buffer solution
18. Hyaluronic acid
19. Deionized water
20. Electronic balance
21. Beer-lambert's law
22. Omega 3 fatty acids
