

First Year B.Sc MLT Degree Supplementary Examinations May 2024
Biochemistry - I
(2016 Scheme)

Time: 3 Hours

Total Marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay**(2x10=20)**

1. Define absorbance and transmittance. Explain in detail the different parts of a colorimeter. (2+8)
2. Classify lipids with suitable examples. Discuss briefly about digestion and absorption of lipids. (6+4)

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

3. Transport mechanisms
4. Pipettes
5. Fluorimetry
6. Sphingolipids
7. Digestion of proteins
8. Mucopolysaccharides
9. Evaluation of water purity
10. Primary structure of proteins
11. Different types of cellular RNA
12. Fluid mosaic model of plasma membrane

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

13. Osmosis
14. Osazones
15. Nucleotides
16. Denaturation
17. Nucleosomes
18. Epimers of glucose
19. Urine preservatives
20. Conjugated proteins
21. Essential and semi-essential amino acids
22. How to prepare 100 ml of 0.01 M KCl solution
