

First Year B.Sc MLT Degree Regular/Supplementary Examinations
March 2021

Biochemistry

(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. How pipettes are calibrated
2. How carbohydrates are digested and absorbed

(7+3)

Short notes

(10x5=50)

3. Cold Centrifuge
4. Detection and measurement of radioactivity
5. Saturated and unsaturated fatty acids
6. Methods of measuring liquids
7. Fluid mosaic model of cell
8. Properties of colloids
9. Preparation and storage of double distilled water
10. Processing of biological specimen
11. Primary structure of protein.
12. Surface tension

Answer briefly

(10x3=30)

13. Disaccharides
14. Biological functions of proteins
15. Stereoisomers
16. Henderson Hassel Bach equation
17. RNA
18. Mucopolysaccharides
19. Purines
20. Glycogen
21. Dissociation constant
22. Uses of atomic absorption spectrophotometry
