

QP CODE: 113012

Reg. No:

First Year B.Sc MLT Degree Supplementary Examinations August 2022

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. Discuss parts, principle and uses of spectrophotometry (6+2+2)
2. How carbohydrates are digested and absorbed (4+6)

Short notes

(10x5=50)

3. Vortex mixer
4. Preparation of cleaning solution
5. Phospholipids
6. Methods of weighing solids
7. Universal safety precautions
8. Dialysis
9. Preparation and storage of distilled water
10. Preservation of biological specimen
11. Lipoprotein – structure and functions.
12. Secondary structure of protein

Answer briefly

(10x3=30)

13. Monosaccharides
14. Classification of amino acids
15. Anomers
16. Trans membrane proteins
17. Iodine number and its significance
18. Measurement of radioactivity
19. Pyrimidines
20. Buffers
21. Use of Nephelometry
22. Structure of DNA
