

First Year B.Sc MLT Degree Examinations, September 2017

Biochemistry

(2016 Scheme)

Time: 3 Hours

Total Marks: 100

- Answer all questions.
- Draw diagrams wherever necessary.

Essay**(2x10=20)**

1. Discuss the basic principles, detection and measurements of radioactivity and applications. (3+2+2+3)
2. How carbohydrates are digested and absorbed (5+5)

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

3. Functions of lipids
4. Secondary structure of proteins
5. Phospholipids
6. Osmosis
7. pH
8. Colorimetry
9. Electronic balance
10. Disaccharides
11. Atomic absorption spectrophotometry
12. Preparation and storage of double distilled water.

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

13. Mucopolysaccharides
14. Nucleotides
15. Endoplasmic reticulum
16. Surface tension
17. Iodine number
18. Composition of borosilicate glass wares
19. Fluorimetry
20. Stereoisomers
21. Magnetic stirrer
22. Henderson Hasselbach equation.
