

QP CODE: 103012

Reg No:.....

First Year B.Sc MLT Degree Supplementary Examinations March 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 water as a universal solvent.
2. Mention the differences between eukaryotic and prokaryotic cells. Discuss the structure and functions of plasma membrane

Short notes

(10x5=50)

3. Anticoagulants
4. Polysaccharides.
5. Absorption filters.
6. Urine preservatives.
7. Functions of nucleotides
8. Preparation of normal saline.
9. First aid measures in a laboratory.
10. Digestion and absorption of lipids
11. Characteristics of α , β & γ radiations.
12. Reactions of non-protein nitrogenous substances

Answer briefly

(10x3=30)

13. Desiccator.
14. Zwitterion.
15. Cardiolipins.
16. Benedict's test.
17. Primary standards.
18. Calibration of pipettes.
19. Structure of pyrimidines.
20. Poly unsaturated fatty acids.
21. Diastereo isomers of glucose.
22. Henderson-Hasselbach equation.
