

QP CODE: 103012

Reg No:.....

First Year B.Sc MLT Degree Supplementary Examinations, April 2016

BIOCHEMISTRY

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Classify proteins giving suitable examples. Add a note on the functions of proteins.
2. Describe the collection, preservation and processing of urine for biochemical analysis

(10x5=50)

3. Describe the role of lipids in cell membrane.
4. Lysosomes.
5. Plasma buffers.
6. Glucose transporters.
7. Diagrammatically represent t-RNA, indicating the functions of each arm.
8. Convert 8.2mg / dl calcium to milimoles per liter.
9. Describe the principle and uses of reverse osmosis.
10. Chylomicrons
11. Osazone reaction
12. Flame photometry

Answer briefly

(10x3=30)

13. Classify phospholipids
14. Nephelometry.
15. Describe the precautions taken for storage of acids.
16. Describe two color reactions specific for aromatic amino acids.
17. Secondary structure of proteins
18. Histones.
19. Apo proteins.
20. Define pH. What is the principle of pH meter.
21. De-ionized water.
22. Anomerism.
