

QP CODE: 103012

Reg No:.....

First B.Sc MLT Degree Supplementary Examinations, April 2014

BIOCHEMISTRY

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Draw the structure of an animal cell. Describe the functions of sub cellular organelles
2. Describe the Watson and Crick model of DNA. Add a note on the structural difference between DNA and RNA

Short notes

(10x5=50)

3. Active transport
4. Henderson Hasselbach equation
5. Polysaccharides
6. Flame photometer and its applications
7. Levels of organization of proteins
8. Radioisotopes.
9. Lipoproteins
10. Denaturation of proteins
11. Digestion and absorption of lipids
12. Classification of amino acids

Answer briefly

(10x3=30)

13. Lysosomes
14. Saponification number
15. Reactions of mono saccharides
16. Phagocytosis
17. pH meter
18. Polyunsaturated fatty acids
19. Isoelectric pH
20. Muta rotation
21. • Linkage in Lactose • Composition of Seliwanoff's reagent
 • Ring present histidine
22. How will you prepare normal saline and mention its physiological basis
