

QP CODE: 103012

Reg No:.....

First B.Sc (MLT) Degree Examinations, September 2012

BIOCHEMISTRY

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Classify lipids based on structure with suitable examples
2. Explain the structure of eukaryotic cell with the help of diagram. Mention the main functions of nucleus, golgi apparatus, endoplasmic reticulum and lysosome

Short notes

(10x5=50)

3. Calibration of pipette
4. Digestion of carbohydrates
5. Preparation of cleaning solution
6. Hazards in the laboratory and its management
7. First aid in the laboratory
8. Evaluation of water purity
9. Lipoproteins
10. Fluorimetry
11. Structure of purine and pyrimidine nucleotides
12. PUFA and its clinical significance

Answer briefly

(10x3=30)

13. pH meter
14. Desicator
15. Zwitter ions
16. Saponification number and its significance
17. Quaternary structure of proteins
18. Facilitated diffusion
19. Double distilled water
20. tRNA
21. • Function of ribosome • Functional group of arginine • Power generating unit of cell
22. How will you prepare 100 ml of 0.01 M KCl solution.
