

QP CODE: 201012

Reg No:.....

Second Year B.Sc MLT Degree Examinations, October 2014

BIOCHEMISTRY-II

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Discuss beta-oxidation of palmitic acid. Add a note on energetics. (8+2=10)
2. Discuss various methods of urea estimation and mention any one of them in detail. (4+6=10)

Short notes

(10x5=50)

3. Regulation of blood glucose.
4. Blood sampling.
5. Diabetic keto acidosis.
6. Synovial fluid analysis.
7. Basal metabolic rate.
8. Organization of electron transport chain (diagram only).
9. Biochemical functions and deficiency manifestations of vitamin A.
10. HDL metabolism.
11. Compounds formed from glycine.
12. Glycated hemoglobin.

Answer briefly

(10x3=30)

13. Alkaptonuria.
14. Rothera's test.
15. Salvage pathway of purine nucleotides.
16. Biochemical functions of niacin.
17. Transamination.
18. Lipotropic factors.
19. Lactose intolerance.
20. Beriberi.
21. Albinism.
22. Urobilinogen.
