

QP CODE: 201012

Reg No:

**Second Year B.Sc MLT Degree Supplementary Examinations
February 2017**

BIOCHEMISTRY-II

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Explain the sources, biochemical functions and deficiency manifestations of vitamin A
(1+5+4=10)
2. What is glycolysis and describe the steps of glycolysis. Add a note on energetics and regulation
(1+7+2=10)

Short notes

(10x5=50)

3. Protein energy malnutrition
4. Synovial fluid analysis
5. Significance of HMP pathway
6. HDL metabolism
7. Phospholipids
8. Organization of electron transport chain (diagram only)
9. Compounds formed from glycine
10. Estimation of creatinine
11. Homocystinuria
12. Obesity

Answer briefly

(10x3=30)

13. Maple syrup urine disease
14. Transamination
15. Scurvy
16. Rothera's test
17. Von Gierke's test
18. Albinism
19. Urobilinogen
20. Biochemical functions of niacin
21. Bile acids
22. Cori's cycle
