

QP CODE: 201012

Reg No:

**Second Year B.Sc MLT Degree Regular/Supplementary Examinations
October 2019**

Biochemistry - II

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Discuss the role of clinical laboratory in the diagnosis and management of diabetes mellitus
2. Enumerate five inborn errors of amino acid metabolism. Add a note on urinary screening for inherited disorders of metabolism

Short notes

(10x5=50)

3. Biochemical functions and estimation of vitamin C
4. Formation and utilization of ketone bodies
5. Normal organic constituents of urine
6. Hyperammonemia
7. Tests for proteins in urine
8. Reverse cholesterol transport
9. Coenzyme function of vitamin B₆
10. Prostaglandins
11. Uric acid - formation, significance and estimation
12. Differentiate between oxidative phosphorylation and substrate level phosphorylation

Answer briefly

(10x3=30)

13. Urinary VMA
14. Lipotropic factors
15. Assessment of thiamine deficiency
16. S - Adenosyl Methionine
17. Reference protein
18. Transamination
19. Essential Pentosuria
20. Vitamin A toxicity
21. Chemical analysis of pleural fluid
22. Body mass index
