

**Second Year B.Sc MLT Degree Supplementary Examinations
November 2022**

Biochemistry - II

Time: 3 Hours

Total Marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers.*
- *Draw Diagrams wherever necessary.*

Essay

(2x10=20)

1. Discuss the formation and biochemical functions of vitamin D. Add a note on its estimation. (2+3+5)
2. Explain the formation and detoxification of ammonia in the body. Briefly describe the causes of hyperammonemia. (3+4+3)

Short notes

(10x5=50)

3. Oral glucose tolerance test
4. Glycogen storage disorders
5. Lipid profile
6. Homocystinuria
7. Hypoglycemia - causes and investigations
8. CSF analysis
9. Phenylketonuria
10. Hyperuricemia
11. Creatinine - formation, significance and estimation
12. Components of electron transport chain

Answer briefly

(10x3=30)

13. Galactosemia
14. Lipotropic factors
15. Orotic aciduria
16. Bence Jones proteins
17. Specific gravity of urine
18. Balanced diet
19. Bile acids
20. Glycated hemoglobin
21. Coenzyme role of niacin
22. Assessment of folate deficiency