

**Second Year B.Sc MLT Degree Regular/Supplementary Examinations
May 2021**

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. Enumerate the lipoproteins and briefly explain their function. Describe the methods for estimation of cholesterol
2. Give the normal blood glucose levels in fasting and postprandial state. Discuss various methods of glucose estimation

Short notes

(10x5=50)

3. Gout
4. Fatty liver
5. Hyperammonemia
6. One carbon metabolism
7. Reducing substances in urine
8. Amniotic fluid analysis
9. Synthesis of catecholamine
10. Methods of estimation of protein
11. Assessment of B₁₂ deficiency
12. Inhibitors of electron transport chain

Answer briefly

(10x3=30)

13. Glucose challenge test
14. Lactose intolerance
15. Alkaptonuria
16. Microalbuminuria
17. Trans methylation reactions
18. 5-Hydroxy Indole Acetic Acid (5HIAA)
19. PUFA
20. Specific dynamic action of food
21. Tests for blood in urine
22. Bile acids