

QP CODE: 201012

Reg. No: .....

**Second Year B.Sc MLT Degree Supplementary Examinations June 2024**

**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. Describe the process of Glycolysis. Write a short note on energetics. (8+2)
2. Discuss the sources, RDA, biochemical role, deficiency manifestations and estimation of Vitamin C. (1+1+2+2+4)

**Short notes**

**(10x5=50)**

3. Homocystinuria
4. Electron transport chain
5. Fatty acid synthase complex
6. Significance of HMP Pathway
7. Prostaglandins
8. Hyperlipoproteinemia
9. Discuss the tests used to detect abnormal constituents of urine
10. Glycogen storage disorders
11. Atherosclerosis
12. Transamination

**Answer briefly**

**(10x3=30)**

13. Pellagra
14. Lesch Nyhan syndrome
15. Wald's visual cycle
16. Lipotropic factors
17. Cori's cycle
18. Vitamin K
19. Glycosuria
20. Chylomicron
21. Polyamines
22. Estimation of sugar in C.S.F

\*\*\*\*\*