

QP Code: 401012

Reg. No:.....

**Final Year B.Sc MLT Degree Regular/Supplementary Examinations
May 2022**

Biochemistry - IV

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 table/diagrams/flow charts wherever necessary*

Essay

(2x10=20)

1. Describe principle, parts and functions of fully automated analyzer
2. Describe liver function tests

Short notes

(10x5=50)

3. Estimation of serum potassium
4. Metabolic acidosis
5. Pre analytic variable
6. External quality control program
7. Fecal fat estimation
8. Biosynthesis of estriol, measurements and clinical applications
9. Regulation of blood calcium
10. Post transcriptional modifications
11. Determination of catecholamines.
12. Parathyroid hormone

Answer briefly

(10x3=30)

13. Estimation of chloride in blood
14. D-Xylose absorption test
15. Human genomic project
16. Gene therapy
17. Hypothyroidism
18. Protein folding
19. Reference value
20. Test to assess lung maturity
21. Urinary 17 ketosteroid
22. Van Den Bergh test
