

QP Code: 401012

Reg. No:.....

**Final Year B.Sc MLT Degree Regular/Supplementary Examinations
March 2023**

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. What is replication. Describe briefly on replication and DNA repair (1+6+3)
2. Explain glomerular function and measurements in detail. (5+5)

Short notes

(10x5=50)

3. Tests for occult blood in faeces.
4. Direct stimulation tests of pancreas
5. Hemolytic disease of newborn
6. Recombination DNA technology
7. Human genomic project
8. Mal absorption tests
9. Determination of catecholamines
10. Centrifugal analyzer
11. Blood gas analysis
12. Hormones of adrenal medulla

Answer briefly

(10x3=30)

13. Enzymes in diagnosis of jaundice
14. Calcium regulation
15. Renal regulation of pH
16. Southern blotting
17. Determination of estrogen
18. Hypothyroidism
19. Inhibitors of translation
20. Estimation of serum copper
21. D-xylose absorption test
22. Biosynthesis of estradiol
