

QP CODE: 301012

Reg. No:

**Third Year B.Sc MLT Degree Regular/Supplementary Examinations
January 2026
Biochemistry – III**

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 factors affecting enzyme activity
2. Describe the procedures of urinary calculi analysis

Short notes

(10x5=50)

3. Isoenzymes
4. Acquired hyperbilirubinemia
5. Oxygen dissociation curve
6. Ion exchange chromatography
7. Sickle cell disease
8. DISC electrophoresis
9. Porphyrins determination in urine
10. Radioimmunoassay
11. Clearance tests
12. Liver enzymes

Answer briefly

(10x3=30)

13. Myoglobin
14. Isoelectric focusing
15. Haemoglobin derivatives
16. Fouchets test
17. Immobilised enzymes
18. Crigler -Najjar syndrome
19. Enterohepatic circulation
20. Serum isoenzyme pattern in myocardial infarction
21. Immunoelectrophoresis
22. Amylase

CORRECTION / NO-CORRECTION FILE
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QPCODE: 301012

Dated: 19-01-2026

Question No.20

Replaced with "Competitive inhibition".

Corrections/Modifications/Replacement of Questions if any shall be made available to all students. Take the print out of the Correction File in such cases and distribute to all students.

(Sd/-)

CONTROLLER OF EXAMINATIONS