

QP CODE: 301012

Reg. No: .....

**Third Year B.Sc MLT Degree Supplementary Examinations October 2022  
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. Describe the different methods of enzyme inhibition with examples
2. Describe the fate of bile pigments

**Short notes**

**(10x5=50)**

3. High performance liquid chromatography
4. Metallo enzymes
5. Isoelectric focusing
6. Iso enzymes in diagnosis of myocardial infarction
7. Lab diagnosis of jaundice
8. Clearance tests
9. Applications of radio immuno assay
10. Poly acrylamide gel electrophoresis
11. Analysis of biliary calculi
12. Estimation of transaminases

**Answer briefly**

**(10x3=30)**

13. Km value
14. M band
15. Electroendosmosis
16. Hemoglobin S
17. Capillary electrophoresis
18. Diagnosis of porphyrias
19. Paper chromatography
20. Kinetic assay
21. Estimation of urobilinogen
22. Congenital erythropoietic porphyria

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