

QP CODE: 301012

Reg. No:

**Third Year B.Sc MLT Degree Regular/Supplementary Examinations
June 2021
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 how heme is synthesized. Add a note on its regulation
2. Describe kinetic methods of estimation of enzyme activity. Describe any one method of estimation of creatine kinase

Short notes

(10x5=50)

3. Different types of enzyme inhibition
4. Fluorescent immuno assay
5. Gel electrophoresis
6. Iso enzymes of alkaline phosphatase
7. Allosteric inhibition of enzymes
8. Paper chromatography
9. Estimation of Alanine transaminase.
10. Fate of bilirubin
11. Isohydric transport of carbon dioxide
12. Hemolytic jaundice

Answer briefly

(10x3=30)

13. Delta bilirubin
14. Creatine kinase-MB
15. Thin layer chromatography
16. Urinary porphyrins
17. Urinary calculi
18. Plasma enzymes in myocardial infarction
19. Estimation of amylase
20. Carboxy Hb
21. Sandwich ELISA
22. Serum protein electrophoresis in multiple myeloma
