

QP CODE: 301012

Reg. No:

**Third Year B.Sc MLT Degree Regular/Supplementary Examinations
May 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. Explain the structure and functions of hemoglobin. (3+7)
2. Describe the principle, procedure, indication and interpretation of serum electrophoresis. (1+5+2+2)

Short notes

(10x5=50)

3. Enzyme Linked Immunosorbent Assay
4. Enzyme profile in myocardial infarction
5. Affinity Chromatography.
6. Lactate dehydrogenase
7. Paper chromatography
8. Regulation of enzyme activity
9. Principle and method of estimation of glucose 6 phosphate dehydrogenase
10. Oxygen dissociation curve
11. Catabolism of heme
12. Enzyme activity determination

Answer briefly

(10x3=30)

13. Michaelis constant
14. Serum glutamate pyruvate transaminase
15. Congenital erythropoietic porphyria
16. Noncompetitive inhibition
17. Estimation of urobilinogen
18. Immobilization of enzymes
19. Hepatic jaundice
20. Coenzymes
21. Isocitrate dehydrogenase
22. Electro endosmosis
