

QP Code: 401012

Reg. No:.....

Final Year B.Sc MLT Degree Supplementary Examinations August 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. Define pH. Describe the different mechanisms of regulation of pH
2. Explain liver function tests. How to differentiate the different types of Jaundice

Short notes

(10x5=50)

3. Continuous flow analysers
4. Laboratory diagnosis of jaundice
5. Polymerase chain reaction
6. Determination of urinary 5-hydroxy indole acetic acid
7. Recombinant DNA technology and application
8. Levy-Jenning chart
9. Analytical and Pre –analytical variables
10. Tests for malabsorption studies
11. Arterial blood gas analysis
12. Biochemical assay for fetal lung maturity

Answer briefly

(10x3=30)

13. Clearance tests
14. Different types of RNA and function
15. Serum calcium estimation
16. Hypothalamic hormones
17. Hypothyroidism
18. Urinary estriol estimation
19. Functions of iron
20. Protein folding
21. Standard deviation
22. Gene therapy
