

QP Code: 401012

Reg. No:.....

Final Year B.Sc MLT Degree Supplementary Examinations January 2022

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. Discuss the quality control programmes in a clinical laboratory
2. Enumerate the liver function tests and explain their clinical significance

Short notes

(10x5=50)

3. Estimation and Clinical significance of serum Phosphorus
4. What are the renal mechanisms for regulating acid-base balance
5. Dry chemistry analyzer
6. Replication
7. Establishment of reference interval
8. Tests for adrenal dysfunction
9. Clearance tests
10. Ion selective electrodes
11. Discuss the principles of laboratory automation
12. Tests for endocrine pancreatic function

Answer briefly

(10x3=30)

13. Specific gravity of urine
14. Vectors used in recombinant DNA technology
15. Restriction endonucleases
16. Tests for iron deficiency anemia
17. Osmolar gap
18. Gene library
19. Southern blotting
20. Metabolic acidosis
21. Tests for female infertility
22. Post translational modification

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