

QP Code: 401012

eg. No:.....

**Final Year B.Sc MLT Degree Supplementary Examinations February 2020**

**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. Describe thyroid function tests and the diseases associated with its dysfunction.
2. Describe iron metabolism in the body. Explain estimation of serum iron.

**Short notes**

**(10x5=50)**

3. Quality control programme
4. Blotting technique
5. Dry chemistry analyzer
6. Mechanism of hormone action
7. 17-Oxo steroid estimation and significance
8. Drug assay in clinical biochemistry.
9. DNA repair mechanisms
10. Estimation of serum electrolytes
11. Metabolic acidosis
12. Statistical procedures used in establishing reference values

**Answer briefly**

**(10x3=30)**

13. Control sera
14. Structure of DNA
15. Genetic code
16. Fluorescence in situ hybridization
17. Urinary findings in different jaundices
18. Hormonal regulation of serum calcium level
19. Haemolytic disease of new borns
20. Phosphorus estimation
21. Functions of copper
22. Adrenal hormones and associated diseases

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