

**QP Code: 401012**

**Reg. No:.....**

**Final Year B.Sc MLT Degree Supplementary Examinations March 2019**

**Biochemistry - IV**

**Time: 3 Hours**

**Total Marks: 100**

- Answer all Questions.
- Draw Diagrams wherever necessary.

**Essay**

**(2x10=20)**

1. Describe principle, parts and functions of centrifugal analyzer
2. Describe thyroid function tests

**Short notes**

**(10x5=50)**

3. Estimation of serum sodium
4. Renal regulation of pH
5. Standard deviation
6. Internal quality control program
7. Gastric function tests
8. Hemolytic diseases of new-born
9. Regulation of iron absorption
10. Recombinant DNA technology
11. Determination of urinary 5-Hydroxy indole acetic acid
12. General techniques in steroid estimation

**Answer briefly**

**(10x3=30)**

13. Estimation of iodine in blood
14. Test for occult blood in faeces
15. Metabolic acidosis
16. Cloning
17. Post translational modifications
18. Levey Jennings chart
19. Laboratory informatics system
20. Gene library
21. Arterial Blood Gas analyser.
22. Vanillyl Mandelic Acid

\*\*\*\*\*