

QP Code: 401012

Reg. No:.....

**Final Year B.Sc MLT Degree Supplementary Regular/Examinations
September 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 semi-automated analyzer
2. Describe renal function tests

Short notes

(10x5=50)

3. Estimation of serum calcium
4. Body buffer system
5. Post analytic variable
6. Quality control charts
7. Estimation of free and total acidity
8. Biochemical assay of lung maturity
9. Reference value
10. Genetic code
11. Determination of urinary Vanillyl Mandelic acid
12. Determination of estrogen in plasma and urine

Answer briefly

(10x3=30)

13. Estimation of zinc in blood
14. Schilling test
15. Respiratory acidosis
16. Polymerized chain reaction
17. Protein targeting
18. Hyperthyroidism
19. Flame photometry
20. Blotting technique
21. Difference between accuracy and precision
22. Osmolality
