

**QP CODE: 401012**

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

**Final Year B.Sc MLT Degree Supplementary Examinations, April 2016**

**BIOCHEMISTRY - IV**

**Time: 3 Hours**

**Total Marks: 100**

- Answer all Questions.
- Draw Diagrams wherever necessary.

**Essay**

**(2x10=20)**

1. Discuss in detail the tests to assess the liver function. (10)
2. Define quality in laboratory management. Discuss the principles and elements of quality management. Add a note on quality control programmes. (1+4+5=10)

**Short notes**

**(10x5=50)**

3. Renal regulation of pH
4. Microalbuminuria
5. Tests for malabsorption
6. Tumour Markers
7. Thyroid function test
8. Continuous flow auto analyzer
9. Polymerized chain reaction( PCR )
10. Estimation of sodium by flame photometer
11. Laboratory investigations of iron deficiency anemia
12. Establishment of reference values.

**Answer briefly**

**(10x3=30)**

13. Urinary VMA estimation
14. Sweat chloride test
15. Exogenous markers of GFR
16. Metabolic acidosis
17. Test for Renal Tubular Functions
18. Define osmolality . How will you calculate serum osmolality
19. Pentagastrin Test.
20. Screening of cushing's syndrome
21. Post translational modification
22. Urinary 5-HIAA estimation.

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