

QP CODE: 401012

Reg No:.....

Final Year B.Sc MLT Degree Examinations, October 2015

BIOCHEMISTRY - IV

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Describe the different parts and functions of semi auto analyzer. How it is different from fully automated analyzer
2. Describe the renal regulation of blood pH in detail

Short notes

(10x5=50)

3. Internal quality control programs for a laboratory in rural PHC
4. Absorption of iron
5. Tubular function tests
6. Post translational modifications
7. Methods to estimate serum bicarbonate
8. 5 HIAA
9. Describe the causes and laboratory diagnosis of hemolytic jaundice
10. Respiratory alkalosis
11. Wilson's disease
12. Pancreatic enzymes

Answer briefly

(10x3=30)

13. D xylose test
14. Describe three pre analytical variables
15. Screening tests for barbitone
16. Biochemical role of magnesium
17. Significance of urine estriol estimation
18. Test to estimate serum bilirubin
19. Okasaki fragments
20. Principle of flame photometry
21. Define standard deviation and how it is calculated
22. What is normal serum potassium level and mention two features of hypokalemia
