

QP CODE: 401012

Reg No:.....

Final Year B.Sc MLT Degree Examinations, September 2016

BIOCHEMISTRY - IV

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Define automation in laboratory medicine. Discuss the principles, functions, parts, merits and de-merits of fully automated chemistry analyzer
2. Describe the regulation of blood calcium. What are the methods for the estimation of blood calcium.

Short notes

(10x5=50)

3. Body buffer system
4. Renal tubular function tests
5. Pre-analytical variables
6. Tests to detect occult blood in feces
7. Liver enzymes
8. Assessment of acid base status
9. Flame photometry
10. Quality control charts
11. Discuss the principles, procedure and applications of PCR
12. Establishment of reference value

Answer briefly

(10x3=30)

13. Sweat chloride test
14. Urinary 17 keto steroids
15. Triple test
16. Biochemical role of iodine
17. Laboratory investigation of female infertility
18. Estimation of serum iron
19. Post translational modification
20. Laboratory investigations of polyuria
21. Estimation of free and total acidity in gastric juice
22. "D-Xylose absorption test.
