

QP CODE: 401012

Reg No:.....

Final Year B.Sc MLT Degree Supplementary Examinations March 2018

BIOCHEMISTRY - IV

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Discuss in detail the principles, procedure and application of PCR in laboratory medicine
2. What is normal plasma pH. What are the different mechanisms for the regulation of acid base balance. Describe the renal regulation of pH in detail

Short notes

(10x5=50)

3. Laboratory investigation of jaundice
4. Tests to assess fetal lung maturity
5. Protein targeting
6. Laboratory investigations of thyroid dysfunction
7. Fecal fat estimation
8. Quality control programme
9. Estimation of serum calcium
10. Reference interval
11. Describe the principles, functions, merits and de-merits of dry chemistry analyzer
12. Genetic code

Answer briefly

(10x3=30)

13. Anion gap
14. Urinary 5-HIAA(5 - hydroxy indole acetic acid)
15. Synthesis of adreno - cortical hormones
16. Laboratory tests for proteinuria
17. Inhibitors of translation
18. Southern blotting
19. Synthesis of catecholamines
20. Schilling test
21. Gene therapy
22. Osmolal gap
