

2016 Scheme

QP Code: 412020

Reg. No.....

Fourth Year B.Sc. Medical Biochemistry Degree Regular/Supplementary Examinations January 2025

Paper XIII - Diagnostic Biochemistry and Laboratory Management

Time: 3 Hours

Total Marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essays

(2x15=30)

1. Discuss the concept of Total Quality Management (TQM) in a clinical laboratory
2. Discuss the waste management principles in a clinical laboratory

Brief Essays

(2x10=20)

3. Sample (Specimen) collection
4. Tumor Markers – Classification and Uses

Short answers

(6x5=30)

5. Glomerular Function Tests
6. Liver Synthetic Function Tests
7. Specimen transport
8. Blood preservatives
9. Batch analyzers
10. Diagnostic importance of CSF

Comment on

(10x2=20)

11. Uses of VMA
12. Normal levels of (1) Serum Total Protein, (2) Serum Albumin
13. Name two thyroid function tests relevant in hypothyroidism
14. Precision and Accuracy
15. Importance of AFP
16. Name two gastric function tests
17. Diagnostic importance of pleural fluid
18. Name two anticoagulants
19. Parts of an auto-analyzer
20. Normal levels of (1) Serum T3, (2) Serum TSH
