

2016 Scheme

QP Code: 412020

Reg. No.....

Fourth Year B.Sc. Medical Biochemistry Degree Supplementary Examinations June 2023

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 various levels of automation in a clinical chemistry laboratory
2. Give a brief account of laboratory errors. Add a note on the usefulness of internal quality control programme in a clinical chemistry laboratory

Brief Essays

(2x10=20)

3. Write briefly on functions and function tests of liver
4. Give an account of specimen collection, transport, storage and processing of blood specimens

Short answers

(6x5=30)

5. Sensitivity versus specificity
6. Seminal fluid analysis
7. Disposal of laboratory waste
8. Working principle of autoanalyzers
9. Importance Alpha Feto Protein (AFP) and Prostate Specific Antigen (PSA)
10. Dry chemistry analyser

Comment on

(10x2=20)

11. Reference interval
12. Analytical errors
13. Anticoagulants
14. Recording of specimens
15. Planning of a laboratory
16. Diagnostic importance of testing sweat
17. Uses of external quality control programme
18. Types of blood specimens
19. Test to assess the function of exocrine pancreas
20. Handling specimens in the laboratory
