

2016 Scheme

QP Code: 412020

Reg. No.....

Fourth Year B.Sc. Medical Biochemistry Degree Regular/Supplementary Examinations January 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 the functions of kidney and pancreas. What are the laboratory tests available to assess their function.
2. Discuss any method to carry out internal quality control in the laboratory

Brief Essays

(2x10=20)

3. Give a brief account of laboratory management and planning
4. What are the basic requirements in pathology and biochemistry departments in a laboratory

Short answers

(6x5=30)

5. Gastric function tests
6. Types of blood collection procedures
7. Importance of analysis of cerebro spinal fluid
8. Internal quality control
9. Storage and handling of specimens in the laboratory
10. Importance of serotonin and beta HCG estimation in medical field

Comment on

(10x2=20)

11. Differences between plasma and serum
12. Urine preservatives
13. Thyroid function tests
14. Precision
15. Bence Jones proteins
16. Antiglycolytic agents
17. Standard deviation
18. Types of blood specimens
19. Disposal of chemical waste
20. Statistical procedures used in establishing reference values
