

2016 Scheme

QP Code: 412020

Reg. No.....

Fourth Year B.Sc. Medical Biochemistry Degree Supplementary Examinations September 2021

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. What are the pre-analytical variables. Discuss the errors that can occur in these variables and how can they be resolved
2. Describe briefly the functions of thyroid. Discuss thyroid function tests

Brief Essays

(2x10=20)

3. Which are the enzymes estimated to assess liver function. Discuss how can the measurements of enzymes help in the differential diagnosis of Jaundice
4. Discuss gastric function tests and their diagnostic applications

Short answers

(6x5=30)

5. Dry chemistry analyser
6. ELISA
7. External quality control
8. Urea clearance
9. Dilution and concentration tests
10. Urine albumin: creatinine ratio

Comment on

(10x2=20)

11. Urine amylase
12. Urine bile salts and bile pigments
13. CEA
14. Beta- HCG
15. Microalbumin
16. Semen fructose
17. Collection of blood for calcium estimation
18. Internal quality control
19. Differences between plasma and serum
20. Anticoagulants
