

# 2016 Scheme

QP Code: 412020

Reg. No.....

## Fourth Year B.Sc. Medical Biochemistry Degree Regular Examinations February 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. Discuss briefly the biochemical functions of liver. Describe liver function tests.
2. Discuss in detail the automation in clinical biochemistry.

#### Brief Essays

(2x10=20)

3. Define clearance. Discuss various clearance tests and their clinical utility.
4. Diagnostic significance of CSF analysis

#### Short answers

(6x5=30)

5. Collection and storage of clinical chemistry samples
6. Pancreatic function tests
7. Diagnostic significance of transaminases
8. Tumour markers
9. GFR
10. Laboratory waste disposal

#### Comment on

(10x2=20)

11. Sensitivity and specificity
12. PSA
13. VMA
14. Sweat chloride
15. Standard deviation
16. External quality control
17. Cystatin c
18. Procedure for collection of 24 hr. urine
19. Beta-HCG
20. LJ plot

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