

QP Code: 312020

Reg. No.....

**Third Year B.Sc. Medical Biochemistry Regular/Supplementary
Examinations January 2026
Clinical Biochemistry
(2016 Scheme)**

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*

Essay

(2x15=30)

1. Discuss the metabolic derangements and complications of Diabetes mellitus
2. Describe the risk factors and prevention of Atherosclerosis

Short Essay

(2x10=20)

3. Explain the respiratory regulation of pH. Add a note on respiratory acidosis
4. Classify lipoproteins. Add a note on associated disorders

Short Answers

(6x5=30)

5. Principle and method of estimation of serum creatinine
6. Separation techniques of plasma proteins
7. Reducing substances in urine
8. Hypokalemia
9. OGTT
10. Plasma osmolality

Comment on

(10x2=20)

11. Anion gap
12. C reactive protein
13. Constituents of normal urine
14. HDL
15. Fatty liver
16. Four causes of metabolic acidosis
17. H H equation
18. Creatinine clearance
19. Significance of HbA1c
20. Normal serum level of Urea and Creatinine

CORRECTION / NO-CORRECTION FILE
--

QPCODE: 312020

Dated: 14-01-2026

Question No.7

Replaced with "Therapeutic Drug Monitoring."

Question No.13

Replaced with "Hypoglycemia."

Question No.18

Replaced with "Food preservatives."

Corrections/Modifications/Replacement of Questions if any shall be made available to all students. Take the print out of the Correction File in such cases and distribute to all students.

(Sd/-)

CONTROLLER OF EXAMINATIONS