

QP Code: 312020

Reg. No.....

**Third Year B.Sc. Medical Biochemistry Regular/Supplementary
Examinations February 2024
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. How is the blood glucose level regulated. Describe various methods of glucose estimation.
2. What is the normal plasma lipid profile. Describe the disorders associated with lipoprotein metabolism.

Short Essay

(2x10=20)

3. Biochemical basis of aging.
4. Metabolic acidosis and its laboratory assessment.

Short Answers

(6x5=30)

5. OGTT
6. Reducing substances in urine.
7. Alcohol metabolism.
8. Titratable acids in urine.
9. Glycated haemoglobin.
10. Anti-diuretic hormone.

Comment on

(10x2=20)

11. Fructosamine.
12. Henderson Hesselbach's equation.
13. PAPS.
14. Chloride shift.
15. NAFL.
16. C reactive protein.
17. Lp(a).
18. Micro albumin.
19. Pseudohyperkalemia.
20. AG ratio.
