

QP CODE: 103034

Reg. No:

**First Year B.Sc Anaesthesia Technology Degree Regular Examinations
November 2025
Paper III – Biochemistry
(2024 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*

Essays

(2x10=20)

1. Classify amino acids. Explain digestion and absorption of proteins (5+5)
2. Explain general principles of laboratory safety. Discuss laboratory hazards and safety measures, universal safety precautions

Short Notes

(10x5=50)

3. Lysosomes
4. Units of measurement
5. pH meter
6. Classification of lipids
7. Principle of cold centrifuge
8. Partition coefficient and its application to biological systems
9. Lipoproteins
10. Nucleotides and nucleosides
11. Fluid mosaic model of cell membrane
12. Lipoproteins

Answer Briefly

(10x3=30)

13. Theory of indicators
14. Saponification number
15. Viscosity
16. Peptide bond
17. Rancidity
18. Dialysis
19. Osmosis
20. Ionization of water
21. Triglycerides
22. Define-Adsorption

CORRECTION / NO-CORRECTION FILE
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QPCODE: 103034

Dated: 07-11-2025

Question No.12

Replaced with "Disaccharides."

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