

QP Code: 101103

Reg. No.:.....

**PG Degree Regular/Supplementary Examinations in Biochemistry
(MD) November 2025**

Paper I – General Biochemistry, Enzymes & Biostatistics

Time: 3 hrs

Max 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: (20)

1. Outline the structure of biomembranes. Explain the principle and applications of Donnan-membrane equilibrium.

Short essays: (8x10=80)

2. Applications of enzymes in diagnosis and therapeutics. Add a note on Immobilized enzymes
3. Explain the steps of determination of the Primary structure of a protein
4. Describe the different types of enzyme inhibition along with suitable examples
5. Outline the composition and functional properties of Extracellular matrix
6. ROC curve and its applications
7. Write a brief note on a) ANOVA b) GAP test
8. Tandem Mass spectrophotometry
9. Different types of sampling procedures
