

QP Code: 101103

Reg. No.:.....

**PG Degree Supplementary Examinations in Biochemistry (MD)  
December 2020**

**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. Discuss the diagnostic and therapeutic applications of enzymes.

**Short essays:**

**(8x10=80)**

2. Structure function relationship of hemoglobin
3. ROC curve
4. Ion channels
5. Classify polysaccharides. Add a note on the chemistry and biological importance.
6. Classify sphingolipids. Outline their structural features. Add a note on sphingolipidosis.
7. Contractile proteins
8. Radioactive isotope and its application
9. Nephelometry and turbidimetry

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