

QP Code: 101103

Reg. No.:.....

**PG Degree Supplementary Examinations in Biochemistry (MD)
October 2019**

Paper I – General Biochemistry, Enzymes & Biostatistics

Time: 3 hrs

Max marks:100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essay: (20)

1. Describe the techniques of separation methods by immunoelectrophoresis and high voltage electrophoresis.

Short essays: (8x10=80)

2. Cell fractionation and biochemical markers of sub-cellular organelles.
3. Henderson Hasselbalch equation.
4. Synthetic analogues of purine and pyrimidine nucleotides.
5. Prostaglandins
6. ANOVA.
7. Glycosaminoglycans
8. Covalent modification of enzyme activity.
9. Omega 3 fatty acids
