

QP Code: 101103

Reg. No.:.....

PG Degree Examinations in Biochemistry (MD) April 2018

Paper I – General Biochemistry, Enzymes & Biostatistics

Time: 3 hrs

Max marks:100

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

Essay:

(20)

1. Discuss the enzyme classification, mechanism of action and factors affecting enzyme activity.

Short essays:

(8x10=80)

2. Ion selective electrodes
3. Apo lipoproteins and their major physiological functions
4. Discuss the factors involved in transport across the cell membrane
5. Explain with suitable examples the different mechanisms by which enzyme activity is modulated in biological systems
6. Atomic absorption spectrophotometry
7. Determination of primary structure of protein.
8. What are muco-polysaccharides. Mention their function and clinical importance.
9. Describe in detail the strategies for establishing reference intervals with respect to selection of reference individuals, specimen collection, quality control procedures and statistical treatment of values
