

QP Code: 101103

Reg. No.:.....

PG Degree Examinations in Biochemistry (MD) April 2019

Paper I – General Biochemistry, Enzymes & Biostatistics

Time: 3 hrs

Max marks:100

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

Essay:

(20)

1. Describe in detail about the principles, performance and application of high performance liquid chromatography.

Short essays:

(8x10=80)

2. Hemoglobin electrophoresis
3. Structure and functions of lipoproteins. Add a note on the techniques used for their separation.
4. Describe briefly on sub cellular fractionation and marker enzymes.
5. Discuss in detail the various pre-analytical variables that can affect the quality of a test result in a clinical chemistry laboratory.
6. Describe the structure and functions of phospholipids.
7. Thalassemias
8. Describe the structure of collagen. Add a note on the relationship of function to the three dimensional structure.
9. Inhibition of enzyme activity
