

QP Code:101103

Reg.No.:.....

PG Degree Examinations in Biochemistry (MD) - June 2015

Paper I – General Biochemistry, Enzymes & Biostatistics

Time: 3 hrs

Max marks:100

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

Essays:

(20)

1. Explain in detail the principle of mass spectrometry and its application in clinical biochemistry.

Short essays:

(8x10=80)

2. Mechanism of cross –link formation of collagen
3. Significance of turn-around – time in clinical laboratory
4. N-linked oligosaccharides
5. Thalassemias
6. Enzymes as diagnostic tool.
7. Receiver operating – characteristic curve
8. Principle and applications of isoelectric focusing technique
9. Explain random errors and systematic errors in clinical laboratory
