

QP Code:101103

Reg.No.:.....

PG Degree Examinations in Biochemistry (MD) - June 2016

Paper I – General Biochemistry, Enzymes & Biostatistics

Time: 3 hrs

Max marks:100

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

Essays:

(20)

1. Enumerate the applications of radioisotopes in the study of metabolic pathways. How radioactivity is measured. Add a note on health hazards due to the use of radioisotopes.

Short essays:

(8x10=80)

2. Derive Henderson Hasselbalch equation. Mention its applications
3. Functions of phospholipids
4. Reference values
5. Isoenzymes
6. Discuss the principle and applications of ultracentrifugation
7. Glycosaminoglycans
8. What do you mean by T and R states of haemoglobin and mention its significance. What are the causes that shift oxygen dissociation curve to right and left.
9. Nephelometry
