

QP Code: 101103

Reg. No.:.....

**PG Degree Supplementary Examinations in Biochemistry (MD) -**  
**November 2017**

**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 high performance liquid chromatography and its application in clinical biochemistry

**Short essays:**

**(8x10=80)**

2. Explain briefly on the types and functions of endopeptidases
3. Structure and classification of lipoproteins
4. Oxidation of fatty acids
5. Protein kinases
6. Hyperlipoproteinemias
7. Structure and functions of phospholipids
8. Principle and applications of nephelometry
9. Enumerate and briefly describe the pre- analytical variations in clinical biochemistry investigations

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