

QP Code: 101112

Reg. No.:.....

**PG Degree Supplementary Examinations in Pharmacology (MD)
October 2019**

Paper I – General Pharmacological Principles and Applied Sciences

Time: 3 hrs

Max marks:100

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

Essay: (20)

1. Describe in detail the physicochemical factors influencing transfer of drugs across the membranes.

Short essays: (8x10=80)

2. Human liver P 450 enzymes
3. Cumulative effects
4. Therapeutic window
5. Significance of dose response curve
6. Adverse drug reactions in elderly
7. Structure activity relationship of corticosteroids
8. Novel methods of drug delivery
9. Various techniques used in gene therapy
