

QP Code:101112

Reg.No.:.....

**PG Degree Supplementary Examinations in Pharmacology (MD) -
November 2014**

Paper I – General Pharmacological Principles and Applied Sciences

Time: 3 hrs

Max marks:100

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

Essays:

(20)

1. Define pharmacodynamics. Discuss about receptor mechanisms of drug action.
Add a note on second messengers.

Short essays:

(10x8=80)

2. Trans dermal drug delivery system and precautions to be taken.
3. Therapeutic drug monitoring.
4. Structural activity relationship of catecholamines .
5. P-Drug.
6. Pharmacogenomics.
7. Precautions to be taken while prescribing drugs for very old and young age groups.
8. Receptors regulating gene expression.
9. Enzyme induction and inhibition.
