

QP Code:101112

Reg.No.:.....

**PG Degree Examinations in Pharmacology (MD) - May 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. Describe the distribution and functions of the of G protein-coupled receptors with suitable examples

**Short essays: (10x8=80)**

2. Drug therapy in neonates
3. Fixed drug combinations
4. Structure activity relationship of catecholamines
5. Phase II metabolism of drugs
6. Types and mechanism of allergic drug reactions
7. Compartment models for pharmacokinetic studies
8. Pluripotent stem cells
9. Factors affecting bio-availability of drugs

\*\*\*\*\*