

QP CODE: 212328

Reg. No:.....

**Second Semester M.Pharm Degree Supplementary Examinations
January 2019**

M.Pharm (Pharmacology)

**Paper II: Pharmacological and Toxicological Screening Methods II
(MPL 203T)**

(2017 Scheme)

Time: 3 Hours

Total Marks: 75

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essays

(3x10=30)

1. Give detailed note on ICH guidelines.
2. Explain in detail about in vivo carcinogenicity studies.
3. Discuss the different phases of toxicokinetic studies with its applications

Short Notes

(9x5=45)

4. Importance of regulatory toxicology.
5. Geno toxicity studies.
6. Importance of GLP in drug development.
7. Dermal toxicity studies
8. Briefly explain alternative methods to animal toxicity testing
9. Tier-1 and Tier-2 studies
10. Enumerate the different teratogenicity studies in drug development.
11. Acute, subacute toxicity studies of new drugs.
12. Studies needed for IND submission
