

**QP CODE: 212328**

**Reg. No:.....**

**Second Semester M. Pharm Degree Supplementary Examinations  
January 2020**

**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. Explain OECD guidelines for the conduct of acute toxicity studies.
2. What is safety pharmacology. Explain the origin, concepts and importance of safety pharmacology.
3. Give a detailed description on the alternative animal models in toxicity testing

**Short Notes**

**(9x5=45)**

4. Different aspects for characterising the test item before its toxicological analysis
5. Different in vivo methods for detecting carcinogenicity of a drug.
6. Add note on HERG assay.
7. Application of toxicokinetic studies.
8. Tests for detecting potential of a compound for causing reproductive toxicity in Males.
9. Add a detailed note on Ames test.
10. Toxicity studies for an inhalant
11. Different tests to detect the potential of a compound to cause chromosomal aberration
12. Importance of IND

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