

QP CODE: 212328

Reg. No:.....

**Second Semester M. Pharm Degree Regular/Supplementary Examinations
February 2021
M.Pharm (Pharmacology)**

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

Time: 3 Hours

Total Marks: 75

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essays

(3x10=30)

1. Explain in detail about the list of studies needed for IND submission
2. Discuss about the regulatory guidelines of OECD for conducting toxicity studies.
3. Discuss in detail about reproductive toxicological studies

Short Notes

(9x5=45)

4. Ames test
5. Principles of good laboratory practice (GLP)
6. Dermal toxicity studies
7. Safety pharmacology studies
8. Alternative methods for animal toxicity testing
9. Applications of toxicokinetic studies
10. In-vivo carcinogenicity studies
11. ICH Guidelines for conducting toxicity studies
12. HERG assay
