

QP CODE: 212328

Reg. No:.....

**Second Semester M. Pharm Degree Regular/Supplementary Examinations
November 2025**

M.Pharm (Pharmacology)

**Paper II: Pharmacological and Toxicological Screening Methods II
(MPL 202T)**

(Common for 2019 and 2024 Scheme)

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. Discuss in detail the procedures and parameters to be evaluated in acute and subacute toxicity studies of a test substance as per OECD guidelines.
2. Discuss in detail the New drug safety assessment as per ICH guidelines.
3. Explain the importance and components of IND enabling studies in drug development process.

Short Notes

(9x5=45)

4. Write the applications of toxicokinetic studies.
5. Write invivo methods of genotoxicity studies.
6. Write in detail about assessing renal toxicity studies.
7. Short notes on HERG assay.
8. Write notes on invivo carcinogenicity studies.
9. Explain in detail about Allergenicity testing.
10. Good Laboratory Practice (GLP).
11. Write notes on invivo methods of assessing male reproductive toxicity studies.
12. Write the concept and importance of drug development.
