

**Second Semester M. Pharm Degree Supplementary Examinations
February 2025**

M.Pharm (Pharmacology)

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

(Common for 2017 and 2019 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. Describe regulatory guidelines for conducting toxicity studies as per schedule Y.
2. Write in detail about concept and importance of safety pharmacology.
3. Elaborate details on alternates for animal toxicity models.

Short Notes

(9x5=45)

4. Write notes on CNS safety pharmacology.
5. Write the steps involved in the conduct of a IND.
6. Write notes on male reproductive toxicity studies.
7. Write in detail about OECD guidelines for toxicity studies.
8. Explain in detail about acute toxicity studies of novel drugs and its significance.
9. Write notes on toxicity studies specified in EPA guidelines.
10. Explain in detail about invivo carcinogenicity studies.
11. Explain in detail about Toxicokinetics.
12. Explain in detail about acute eye irritation toxicity studies.
