

QP CODE: 212328

Reg. No:.....

**Second Semester M. Pharm Degree Supplementary Examinations
December 2023**

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. Discuss in detail the procedures and the parameters to be evaluated in the chronic toxicity study of a test substance as per OECD guidelines
2. Explain the importance and components of IND enabling studies in drug development process
3. Explain the concept of GLP and mention the role and responsibilities of different personnel involved in it

Short Notes

(9x5=45)

4. Tier-I safety pharmacology studies
5. Explain the difference between pharmacokinetics and toxicokinetics
6. Write a note on micronucleus assay
7. Explain on acute inhalation toxicity studies
8. Explain how LD50 is estimated in rodents as per OECD 423 guidelines
9. Write a note male reproductive toxicity studies in rodents
10. Explain how dermal irritation and corrosion potentials of a test substance is estimated in rabbits
11. What are alternatives to animal toxicity testing. Explain their importance
12. Explain on eye irritation and corrosion studies
