

QP CODE: 212328

Reg. No:.....

**Second Semester M. Pharm Degree Supplementary Examinations
August 2021**

M.Pharm (Pharmacology)

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

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 tier-2 –GI and renal safety pharmacology
2. Explain OECD guideline for the conduct of acute toxicity studies
3. Write a detailed note on eye and dermal irritation studies

Short Notes **(9x5=45)**

4. HERG Assays
5. Explain GLP
6. Regulatory guidelines for conducting toxicity studies
7. Explain the importance of mechanistic and regulatory toxicology studies
8. Details of test item Characterization regulatory in toxicology studies
9. Explain the different components of reproductive toxicity studies in females
10. Different tests to detect the potential of a compound to cause chromosomal aberration
11. Applications of toxicokinetic studies
12. Explain two alternative methods for animal toxicity studies
