

Enrolment Number

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Winter, 2024

M.Pharm 2<sup>nd</sup> Semester Examination

Pharmacological and Toxicological Screening Methods-II

Course Code: MPL202T

Full Marks – 75

Time – 3 hours

*The figure in the margin indicates full marks for the questions.*

## GROUP A

1. Attempt the following:

(2×5=10)

- a) Descriptive Toxicology
- b) OECD
- c) Dermal Toxicity
- d) IND
- e) HERG Assay

## GROUP B

2. Answer any nine of the following:

(9×5=45)

- a) Briefly explain the salient points of OECD guidelines.
- b) Write about teratogenicity studies.
- c) Write about OECD principles of GLP.
- d) Write a note on the importance of ethical and regulatory requirements for toxicity studies.
- e) Explain the different types of Toxicology studies.
- f) Write a note on alternative methods to animal toxicity testing
- g) Describe the objectives and importance of safety Pharmacology studies?
- h) Write a note on Schedule Y.
- i) Write a brief note on Inhalational toxicity studies.

- j) Write a note on *in vivo* carcinogenicity studies.
- k) Write a brief note on acute oral toxicity studies as per OECD guidelines.

**GROUP C**

**3. Answer any two questions**

**(2×10=20)**

- a) Explain in details about male reproductive toxicity studies.
- b) Describe in detail about dermal toxicity studies as per OECD guidelines.
- c) List out and discuss the studies needed for IND submission.