

Sl.No: M21163

Course Code: MPL202T

**VINAYAKA MISSION'S RESEARCH FOUNDATION
(DEEMED TO BE UNIVERSITY), SALEM**

**M.PHARM. DEGREE EXAMINATION – September 2021
Second Semester**

BRANCH: PHARMACOLOGY

**PHARMACOLOGICAL AND TOXICOLOGICAL SCREENING
METHODS - II**

Time : Three hours

Maximum: 75 marks

**(Draw neat labeled diagrams wherever necessary
your answer should be specific to the questions asked)**

SECTION –A

I. Answer any **THREE** questions: **(3 x 15 = 45)**

1. Write elaborately on *in vitro* and *in vivo* Micronucleus and Chromosomal aberrations studies.
2. i) Summarize the importance of IND studies.
ii) Illustrate the industrial perspective of IND studies.
3. Describe the significance of ethical and regulatory requirements for toxicity studies.
4. Discuss various evaluation methods for Toxicokinetics in preclinical studies.

SECTION –B

II. Answer any **THREE** questions: **(3 x 10 = 30)**

5. Discuss the concept of GLP and its importance in New Drug Development Process.
6. Explain dermal toxicity studies as per OECD guidelines.
7. Describe the *Invivo* methods of assessing male reproductive toxicity studies.
8. Write notes on safety pharmacology study.
