

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

**M.PHARM. DEGREE EXAMINATION – July 2019
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. Explain about Segment I and III in reproductive toxicology.
2. Elaborate the test item characterization with a note on its methods and significance.
3. Discuss about ICH guidelines for toxic studies.
4. Define IND with its importance. Explain the list of studies needed for IND submission.

SECTION –B

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

5. Explain the dermal irritation and dermal toxicity studies.
6. Outline the toxicokinetic evaluation in preclinical studies and its applications.
7. Write a note on toxicology and its various types in detail.
8. Discuss about core battery studies.