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M. PHARM
(SEM II) THEORY EXAMINATION 2018-19
PHARMACOLOGICAL AND TOXICOLOGICAL SCREENING METHODS-II

Time: 3 Hours**Total Marks: 75****Note: 1.** Attempt all sections. If require any missing data; then choose suitably.**SECTION A****1. Attempt all questions in brief.****10 x 2 = 20**

- a. Define toxicology with its type.
- b. Give a note on GLP.
- c. Write about dermal toxicity study.
- d. Give the importance of regulatory toxicological studies.
- e. Define Ames test.
- f. What do you mean by descriptive toxicology?
- g. Write about the chromosomal abbreviation studies.
- h. Give a note on micronucleus assay.
- i. Give the list of studies needed for IND submission.
- j. Define HERG assay.

SECTION B**2. Attempt any two parts of the following:****2 x 10 = 20**

- a. Give in detail about OECD guidelines with its importance.
- b. Give the general principles of good laboratory practice.
- c. Explain in detail about the importance of regulatory toxicological studies.

SECTION C**3. Attempt any five parts of the following:****7 x 5 = 35**

- a. Explain *in vivo* and *in vitro* genotoxicity studies.
- b. Give the main importance of ICH guidelines.
- c. Discuss the pharmacological technique to evaluate new drugs related to reproductive system.
- d. Explain toxicokinetics with its importance and applications.
- e. Define IND and give importance of it.
- f. Give the procedure involved in inhalational study of drugs
- g. Write about safety pharmacology study technique.