Printed Pages:01 **Sub Code: MPL 202T**

Paper Id: 298202 **Roll No.** | | | | | | | | | | |

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.

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