Sub Code:MPL103T

Paper Id: 298103 Roll No:

M PHARM

(SEM-I) THEORY EXAMINATION 2019-20

PHARMACOLOGICAL AND TOXICOLOGICAL SCREENING METHODS I

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.**
2. **Write down about:** **10 x 2 = 20**

a. IAEC

b. Enlist three preclinical screening models of antidiabetics.

c. Euthanasia of experimental animals.

d. Methods of immunoassay.

e. Carrageenan induced paw edema in Albino Wistar rats

f. Different strains and species of laboratory animals.

g. Enlist two *in-vitro* preclinical screening models of antidepressants.

h. Immunomodulators

i. Preclinical pharmacological screening models of hepatoprotective drugs

j. Anticancer agents.

SECTION B

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

a. Enlist different *in-vitro* and *in-vivo* preclinical screening models of nootropics. Explain any three *in-vivo* screening models.

b. What is homogenous and heterogeneous immunoassay system? Discuss various methods and optimization of immunoassay.

c. Discuss different preclinical pharmacological screening models for antiulcer agents.

SECTION C

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

a. Write about immunoassay for insulin.

b. Describe different *in-vivo* preclinical screening models of anxiety.

c. What do you mean by bioassay? Write its principle. Enlist various types of bioassay and their application.

d. Write down different in-*vivo* preclinical screening models for antifertility agents.

e. Describe different *in-vivo* preclinical screening models of antiatherosclerotic agents.

f. Write about different methods of drug administration in laboratory animals.

g. Discuss any two *in-vitro* screening methods of epilepsy.

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