

FIRST TEST EXAMINATION OCTOBER - 2017

MASTER OF PHARMACY (2017-2018)

MODEL ANSWER KEY

Class: F Y M Pharmacy

Subject: Pharmacological and Toxicological Screening Method-I

Day & Date: Wednesday, 11/10/2017

Time: 11.00 am- 12.30 pm (1 ½ hrs)

Sem.:I

Subject Code: MPL102T

Max Marks: 30

Instructions: 1. All questions are compulsory. 2. Figures to the right indicate full marks.

Q. I Attempt any five of the following (5 X 2)

10

1. Describe applications of Wistar rats in experimental Pharmacology.

**Any 2 applications of Wistar rats in experimental Pharmacology- 1 mark each
(total 2 marks)**

2. Discuss procedure of breeding albino mice.

Discussion on procedure/stages of breeding albino mice- 2 marks

3. Explain the term quarantine of animals. Explain its importance.

Meaning of quarantine-1 mark. Importance of quarantine-1 mark. (total 2 marks)

4. Discuss the physical facilities for animal house as per CPCSEA guidelines.

**Discussion on any 4 physical facilities for animal house as per CPCSEA
guidelines- 2 marks.**

5. Discuss general principles of preclinical screening.

Any 2 principles of preclinical screening- 2 marks.

6. Enlist different anesthetics used in experimental Pharmacology.

Name of any 2 anesthetics used in experimental Pharmacology - 2 marks.

7. What do you mean by neurodegenerative disorders. Discuss any one disorder in brief.

**Meaning of neuro-degenerative disorders-1 mark. Discussion of any one
neuro-degenerative disorder in brief-1 mark. (total 2 marks)**

Q. II Attempt any two of the following: (2 X 5)

10

1. What are transgenic animals? Explain their applications.

**Meaning of transgenic animals-1 mark. Minimum 2 applications of transgenic
animals-2 mark each. (total 05 marks)**

2. What is euthanasia? Discuss the different methods of euthanasia for lab animals.
Meaning of euthanasia-1 mark. Minimum 2 methods of euthanasia for lab animals-2 mark each. (total 05 marks)
3. Enlist different methods for preclinical screening of nootropic activity. Discuss any one method.
List of different methods for preclinical screening of nootropic activity- 02 marks. Discussion of any one method for preclinical screening of nootropic activity - 3 marks. (total 05 marks).

Q. III Attempt any one of the following (1 X 10)

10

1. Enlist methods of preclinical screening CNS depressants. Discuss any two methods.
List of methods of preclinical screening CNS depressants- 02 marks. Discussion of any two methods of preclinical screening CNS depressants- 04 marks for each method. Total 10 marks.
2. Enlist methods of preclinical screening anti-epileptics. Discuss any two methods.
List of methods of preclinical screening anti-epileptics - 02 marks. Discussion of any two methods of preclinical screening anti-epileptics - 04 marks for each method. Total 10 marks.

OR

2. Enlist methods of preclinical screening sympathomimetic agents. Discuss any two methods.
List of methods of preclinical screening sympathomimetic agents.- 02 marks. Discussion of any two methods of preclinical screening sympathomimetic agents.- 04 marks for each method. Total 10 marks.