J-MPL-103-T   Seat No. _____

M. Pharm. (Pharmacology) (Sem. I) Examination

January - 2020

MPL - 103T : Pharmacological & Toxicological Screening Methods - I

Time : **3 Hours**]   [Total Marks : **75**

Instruction :   Figure to the right indicates full marks for the respective question.

1   Answer the following questions : (each questions   **20**
     carry 2 Mark)

    (1)   Define : Bioassay.

    (2)   Carrageenan induced inflammation.

    (3)   Explain principle of triton induced dyslipidemia.

    (4)   Write the principle of elevated plus maze.

    (5)   What is Open field test ?

    (6)   Explain about forced swim test.

    (7)   Enumerate principle of GLP.

    (8)   Write biological name of mice and guinea pig.

    (9)   What is different between the SD rats and Wistar rats ?

    (10)   Give two model used for the study of immunostimalation.

2   Answer the following questions : (any **two**)   **20**
     (each questions carry 10 mark)

    (1)   Enlist animal model for hypertension and explain any two model in detail.

    (2)   Classify various animal model for screening Alzheimer's disease. Describe any three models in detail.

    (3)   Write a detailed note on various animal models to evaluate antidepressant activity.

3 Answer the following questions : (any **seven**) **35**

(each questions carry 5 mark)

(1) Write in brief on anaesthesia and euthanasia methods in animal experimentation.

(2) Write a note on rats as an experimental animal.

(3) What is goal of CPCSEA guideline and explain about CPCSEA guideline ?

(4) Enlist methods of bioassays. What is its significance? Write a note on matching types of bioassay.

(5) Discuss in detail about GLP.

(6) Enlist animal models to screen anti-ulcer drugs. Describe any two in detail.

(7) Discuss any two animal models to evaluate antiepileptic activity.

(8) Classify various animal models to screen anti arrhythmic activity and discuss any two in detail.

(9) Discuss about animal models for anti-diabetic study.

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