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School of Medical and Allied Sciences

Master of Pharmacy in Pharmacology

Mid Term Examination - Nov 2023

Duration : 90 Minutes

Max Marks : 30

Sem I - MPL103T - Pharmacological and Toxicological Screening Methods-IGeneral Instructions*Answer to the specific question asked**Draw neat, labelled diagrams wherever necessary**Approved data hand books are allowed subject to verification by the Invigilator*

- 1) Define transgenic animals. K1 (2)
 - 2) Outline some methods of Euthanasia. K2 (2)
 - 3) Illustrate the role of Isoguvacine or muscimol in [3H]-GABA receptor binding assay for screening of GABAergic Compounds. K2 (2)
 - 4) Tell about Euthanasia of experimental animals? K1 (2)
 - 5) Interpret some preclinical screening models for anxiolytic agents. K2 (2)
 - 6) Model various routes of drug administration in experimental animals. K3 (5)
 - 7) Simplify about commonly used experimental animals and other transgenic animal models. K4 (5)
- OR**
- Inspect the different methods used for the screening of sympathomimetic drugs. K4 (5)
 - 8) Conclude on the regulations and ethical requirements for the usage of experimental animals. K5 (10)
- OR**
- Conclude how the CPCSEA guidelines helps in conducting experiments on animals? K5 (10)