

Class: M.Pharm First Semester
Subject: Pharmacological and Toxicological Screening Methods-I
Code: MPL-103T

Time: 3 hour

Max.Marks: 75

SECTION-A (Short Answer)

Note: Answer any five questions. Each question carries seven marks. (5 X 7 = 35)

- Q.1.** Describe the handling and applications of different species and strains of animals?
- Q.2.** Write the foot-shock induced aggression method?
- Q.3.** Write the elevated plus maze test method?
- Q.4.** Write the short note on light-dark model?
- Q.5.** Write the despair swim test?
- Q.6.** Describe the mCPP induced anxiety in rats?
- Q.7.** Write the MPTP model in monkeys?
- Q.8.** Write the short note on water maze test?
- Q.9.** Write the HAFFNER's tail clip method and tail immersion test?
- Q.10.** Write the short note on muricide behavior in rats.?

SECTION- B (Long Answer)

Note: Answer any four questions in detail. Each question carries ten marks. (4 X 10 = 40)

- Q.1.** Write the preclinical screening of new substances for pharmacological activity using in vivo animal models for antihypertensive?
- Q.2.** Write the pharmacological activity using in vivo, in vitro, and other possible animal alternative models for epileptics?
- Q.3.** Write the preclinical screening of new substances for pharmacological activity using in vivo animal models for antidiabetic?
- Q.4.** Write the preclinical screening of new substances for pharmacological activity using in vivo animal models for antidyslipidemic agents?
- Q.5.** Write the preclinical screening of new substances for pharmacological activity using in vivo animal models for anti ulcer?
- Q.6.** Write the CPCSEA guidelines to conduct experiments on animals' good laboratory practice?
- Q.7.** Write the methods and principle of bioassay?
- Q.8.** Write the preclinical screening of new substances for pharmacological activity using in vivo animal models for anti-inflammatory?