

PARUL UNIVERSITY
FACULTY OF PHARMACY
M.Pharm. Winter 2017 - 18 Examination

Semester: 1**Subject Code: MPL103T****Subject Name: Pharmacological and Toxicological Screening Methods - I****Date: 12/01/2018****Time: 10.00 am to 1.00 pm****Total Marks: 75****Instructions:**

1. Figures to the right indicate maximum marks.
2. Make suitable assumptions wherever necessary.

Q.1 Essay Type Questions. (any 2 out of 3) (15 Marks Each) (30)

1. Discuss about common laboratory animals, their use, and application of different species.
2. Define LD50. Explain method to determine it. Write a note on acute toxicity study.
3. Define Bioassay and explain matching method. Write merits and demerits of bioassays

Q.2 Short Essay Type Questions. (any 5 out of 6) (5 Marks Each) (25)

1. Enlist different evaluation techniques for cardiotoxic drugs
2. Write short note on screening of diuretics.
3. Explain various techniques to screen antiulcer agents
4. Discuss chemical and electrical methods of inducing arrhythmia
5. Give various models for screening of anti-parkinson agents
6. Write about the parameters used to evaluate nephroprotective agent.

Q.3 Short Answers. (2 Marks Each) (20)

1. Write composition of IAEC.
2. Write any one method of testing for teratogenicity of drugs
3. Write microbial assay method of antibiotics
4. Explain one vivo method for evaluation of anti-inflammatory drugs
5. Discuss principle and uses of Cook's pole climbing apparatus
6. Discuss one official method of testing of pyrogens
7. Name the methods of Bioassay of oxytocin
8. Discuss forced swim test
9. Discuss principle and uses of Electroconvulsimeter
10. Discuss Chronic toxicity study.