

PARUL UNIVERSITY
FACULTY OF PHARMACY
M.Pharm. Supplementary Examination May, 2018

Year: 1**Date: 03/05/2018****Subject Code: 08204103****Time: 10:00am to 01:00pm****Subject Name: Pharmacometrics and Methods of Biological
Evaluation of Drugs****Total Marks : 75 Marks****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 Mark Each) (30)

1. Define Bioassay and explain matching method. Write merits and demerits of bioassays
2. What are nephrotoxic agents? Write about the parameters used to evaluate nephroprotective agent.
3. Define LD50. Explain method to determine it. Write a note on acute toxicity study.

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

1. Give various model for screening of anti-parkinson agents
2. Discuss chemical and electrical methods of inducing arrhythmia
3. Explain various techniques to screen antiulcer agents
4. Write a note on models of hypertension
5. Write short note on screening of diuretics.
6. Enlist different evaluation techniques for cardiotonic drugs

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

1. Discuss principle and uses of Electroconvulsimeter
2. Write any one methods of testing for teratogenicity of drugs
3. Write microbial assay method of antibiotics
4. Explain one vivo method for evaluation of analgesic 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. Define endotoxins
10. Discuss sub-acute toxicity study.