

First Semester M.Pharm Degree Supplementary Examinations
August 2024
M.Pharm (Pharmacology)
Paper III – Pharmacological and Toxicological Screening Methods I
(MPL103T)
(Common for 2017 and 2019 Scheme)

Time: 3 Hours

Total Marks: 75

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essays

(3x10=30)

1. Discuss the principles and methods involved in the screening of antidiabetic agents.
2. Enlist the screening models for antiulcer drugs and explain any two in vivo screening methods.
3. Discuss on the methodologies recommended for the screening of aphrodisiacs.

Short Notes

(9x5=45)

4. Describe any one in vivo screening method of immunosuppressants.
5. Illustrate the limitations of animal experimentations.
6. List the pros and cons of transgenic animals.
7. Explain the experimental animal models for evaluation of anti-hypertensive drugs.
8. Outline the reproductive values of rodents and specify their use in drug research.
9. Describe the evaluation of drugs used for Parkinson's disease.
10. Enlist the in-vivo preclinical models for anticancer agents. Explain any one model.
11. Describe any one evaluation method of drugs used in the treatment of diarrhea.
12. Outline the significance of transgenic mice as model for gene therapy.
