

QP CODE: 113328

Reg. No:.....

First Semester M.Pharm Degree Supplementary Examinations July 2023

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. Enlist the screening methods of nootropic and anxiolytic activity. Explain any one method for each.
2. Write the various *in vitro* and *in vivo* models for screening anti-ulcer drugs and explain any one method for each.
3. Discuss three preclinical screening models for anti-hypertensive agents.

Short Notes

(9x5=45)

4. Illustrate the application of transgenic animals in research.
5. Explain the screening methods for anti-fertility activity.
6. Define bioassay. Write the principle and applications of bioassay.
7. Explain two screening methods for anti-epileptic activity.
8. Explain any two pharmacological screening methods for anti-diabetic activity.
9. Enlist the screening methods for anti-cancer activity. Explain any one method.
10. Enumerate an *in-vitro* and an *in-vivo* animal model to screen for anti-inflammatory activity.
11. Discuss about an anti-parkinsonism screening model.
12. Explain one immunoassay each, employed for digoxin and insulin.
