**First Semester M.Pharm Degree Regular/Supplementary Examinations
June 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. Describe any three preclinical screening models for anti-diabetic activity.

2. Explain briefly about CCSEA guidelines and GLP.

3. Enlist screening models for anti-cancer activity. Explain any three.

Short Notes   **(9x5=45)**

4. Write an in-vitro and in-vivo screening models of anti-inflammatory agents.

5. Explain any two pharmacological screening methods for anti-anxiety drugs.

6. What are transgenic animals. Write their application in pharmacological research.

7. Enlist preclinical screening models for anti-hypertensive activity. Explain any one.

8. What are the different types of bioassays. Write the principle and applications of bioassay.

9. Mention the in-vivo and in-vitro screening models for antiulcer activity. Explain any one of each.

10. Explain any two pharmacological screening methods for anti-asthmatic activity.

11. Enlist the in-vivo preclinical models for screening for hepatoprotective activity. Explain any one model.

12. Write briefly on an immunoassay technique for insulin

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