

QP CODE: 113328

Reg. No:.....

**First Semester M.Pharm Degree Regular/Supplementary Examinations
November 2021
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. Name five common laboratory animals. Write the *in-vivo and in-vitro* pharmacological experiments using any three of them and mention the limitations of these animals as experimental models.
2. Write *in-vivo and in-vitro* models for screening analgesics drugs
3. Write *in-vivo and in-vitro* models for screening anti-epileptic drugs

Short Notes

(9x5=45)

4. Explain the immunoassays types.
5. Explain the screening of anti-fertility agents
6. Explain CPCSEA guidelines for experimental animals
7. Preclinical screening of anti dyslipidemic agents
8. Methods for screening drugs used in Parkinsonism
9. Explain alternatives methods of animal experiments
10. Preclinical screening of hepatoprotective agents
11. Explain anesthesia and euthanasia methods on experimental animals
12. Explain immunoassay of digoxin
