QP CODE: 212328 **Reg. No:……**

Second Semester M.Pharm Degree Examinations July 2019

M.Pharm (Pharmacology)

Paper II: Pharmacological and Toxicological Screening Methods II (MPL 203T)

(2017 Scheme)

Time: 3 Hours **Total Marks: 75**

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essays **(3x10=30)**

1. What is meant by good laboratory practices. Discuss the criteria to be maintained in a laboratory to satisfy GLP
2. Give an overview of safety pharmacology, focusing on the methods and its importance in regulatory affairs.

3. Discuss the principle, description of the method and procedure involved in the chronic toxicity studies of OECD guideline

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

4. The toxicokinetic studies in preclinical stage.

5. Describe the types of IND and its applications process.

6. Mention the parameters to be noted for properly characterizing a test item

7. Embryo fetal development study design.

8. Acute and sub-acute toxicity studies.

9. Discuss the micronucleus studies in gene toxicity.

10. Elaborate on schedule Y

11. Describe procedures for *in vivo* carcinogenicity studies

12. Discuss the protocol for testing of chemicals for dermal toxicity as per OECD guidelines

****