

**PARUL UNIVERSITY**  
**FACULTY OF PHARMACY**  
**M.Pharm. Summer 2017 - 18 Examination**

**Semester: 2****Subject Code: MPL202T****Subject Name: Pharmacological and Toxicological Screening Methods II****Date: 16/05/2018****Time: 10.00 am to 1.00 pm****Total Marks: 75****Instructions:**

1. Figures to the right indicate maximum marks.
2. Make suitable assumptions wherever necessary.

**Q.1 Essay Type Questions. (any 2 out of 3) (15 Marks Each) (30)**

1. Define teratogenicity. Discuss in detail male and female reproductive toxicity.
2. Describe oral acute toxicity studies as per OECD guidelines.
3. Write a note on OECD Good laboratory practice principles.

**Q.2 Short Essay Type Questions. (any 5 out of 6) (5 Marks Each) (25)**

1. Write a note on genotoxicity studies.
2. Define induction exposure. Explain in detail skin sensitisation toxicity studies.
3. Discuss types, importance and format of IND.
4. Explain in brief about alternative methods to animal toxicity testing.
5. Write about acute dermal toxicity as per OECD guidelines.
6. Explain origin, concepts and importance of safety pharmacology.

**Q.3 Short Answers. (2 Marks Each) (20)**

1. Discuss role and responsibility of principal investigator.
2. Enumerate animal toxicity as per schedule Y.
3. Define toxicokinetic studies and its application.
4. Write about types of toxicology.
5. Explain objective of Phase III Clinical Trials.
6. Write in brief about carcinogenicity studies.
7. Write about composition and importance of ethics committee.
8. Write a full name of ICH and EPA.
9. Explain in brief importance of regulatory toxicology studies.
10. Define ocular corrosive and ocular irritant.