

**FACULTY OF PHARMACY****M. Pharmacy (Pharmacology) II – Semester (PCI) (Main) Examination,****August 2019****Subject: Pharmacological & Toxicological Screening Methods – II****Time: 3 Hrs****Max.Marks: 75****Note: Answer any five questions. All questions carry equal marks.**

- 1 Discuss in detail the determination of LD<sup>50</sup> in acute toxicity testing of drugs as per OECD. What is its significance? 15
- 2 Write short notes on:
  - a) Acute eye irritation testing. 8
  - b) Dermal toxicity studies. 7
- 3 What is carcinogenesis? How do y test the compnds for carcinogenicity? Give details. 15
- 4 Define IND. Discuss the studies needed for IND submission. 15
- 5 Define safety pharmacology? Explain the scope, importance and principles of safety pharmacology. 15
- 6 Write short notes on:
  - a) Alternatives to animal toxicity testing 8
  - b) Applications of toxicokinetic studies. 7
- 7 Explain the importance of OECD principles of good Laboratory Practice (GCP) in drug development. 15
- 8 Write notes on:
  - a) Ames test for genotoxicity 5
  - b) Teratogenicity studies. 10

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