

Roll No.....

Total No. of Printed Pages: 1

Total No. of Questions: [13]

M. Pharmacy (Pharmacology) (Semester –2nd)
PHARMACOLOGICAL AND TOXICOLOGICAL SCREENING METHODS-II
Subject Code: MPL202T
Paper ID: [17250306]

Time: 03 Hours

Maximum Marks: 75

Instruction for candidates:

1. Section A is compulsory. It carries 20 marks. It consists of 5 questions of 4 marks each.
2. Section B consist of 9 questions of 5 marks each. The student has to attempt any 7 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A

(4 marks each)

Q1. Attempt the following:

- a. Give the OECD principles of Good Laboratory Practices.
- b. Write a note on teratogenicity studies.
- c. OECD, ICH, and EPA stand for.....
- d. Give the list of studies needed for IND submission.
- e. Describe the terms toxicokinetics and saturation kinetics.

Section – B

(5 marks each)

- Q2. Give the origin, concepts, and importance of safety pharmacology studies
- Q3. Define the term toxicology. Explain the various types of toxicology.
- Q4. Enumerate the alternative methods to animal toxicity studies.
- Q5. Give the acute, sub-acute, and chronic oral toxicity studies as per OECD guidelines.
- Q6. Write a note on In-vivo carcinogenicity studies.
- Q7. Explain the acute eye irritation and skin sensitization toxicity studies.
- Q8. Give the importance and industry perspective of IND.
- Q9. Write a note on genotoxicity studies.
- Q10. Give the importance and applications of toxicokinetic studies.

Section – C

(10 marks each)

- Q11. Write a detailed note on reproductive toxicity studies.
- Q12. Explain toxicokinetic evaluation in preclinical studies.
- Q13. Give the regulatory guidelines for conducting toxicity studies.