Roll No. Total No. of Pages: 01

Total No. of Questions: 06

M.Pharmacy(Pharmacology) (2017 Batch) (Sem.-2) PHARMACOLOGICAL & TOXICOLOGICAL SCREENING METHODS-II

Subject Code: MPL-202T M.Code: 74944

Time: 3 Hrs. Max. Marks: 75

INSTRUCTIONS TO CANDIDATES:

- 1. Attempt any FIVE questions out of SIX questions.
- 2. Each question carries FIFTEEN marks.
- Q.1 Write an extensive note on acute and sub-acute toxicity testing as per OECD guidelines with suitable examples and/or flow charts. 15 Q.2 a. Discuss the origin, concepts and importance of safety pharmacology. 8 7 b. Elaborate on Tier 1 studies with specific focus on CNS. Q.3 a. Write a note on alternative methods to animal toxicity testing. 5 b. Discuss the concept of toxicokinetics with suitable examples. 5 c Describe Ames test 5 Q.4 Give a detailed account on ICH guidelines for conducting regulatory toxicity studies. 15 Q.5 Write short notes on the following: 7 a. Teratogenicity studies b. IND enabling studies 8 Q.6 Discuss the following with suitable examples: a. Eye irritation study 5 b. Male reproductive toxicity testing 5 5 c. HERG assay

NOTE: Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

1 M-74944 (S31)-827