

Examination: Master in Pharmacy First Year Second Semester EXAM 2025
Subject: PHARMACOLOGICAL AND TOXICOLOGICAL SCREENING METHODS II

Ref. No.: **Ex/MPL202T/2025**

Time: 03 hrs Full Marks: 75

GROUP – A (25 Marks)

Q1)

- a) Mention the 06 Step methods of EKG interpretation.
- b) Explain how Heart Beat is calculated from ECG for Regular and Irregular Rhythm.
- c) Explain how LAD, RAD and Extreme Axis Deviation are determined from ECG. (5+4+4)

Q2)

- a) Mention about the Objectives outlined in ICH and its limitations for Toxicokinetics study. (06)
- b) Mention in brief about TK Studies and its goals. (06)

GROUP – B (25 Marks)

Q3) Define toxicology. Write in details on different branch of toxicology. (15)

Q4) Write notes on (**any two**) (5×2=10)

- a) Acute and subchronic toxicity as per reference guidelines.
- b) Reproductive toxicity study.
- c) GLP

GROUP – C (25 Marks)

Q5) Discuss the role of IND enabling studies in drug development. (10)

Q6) Discuss briefly the 03 main categories that IND-enabling studies fall under. (15)