



DBX-MPL-202-T

Seat No. _____

**M. Pharm. (Pharmacology) (Sem. II) (External)
Examination**

July - 2022

MPL-202T - Pharmacological & Toxicological Screening Methods - II

Time : 3 Hours]

[Total Marks : 75]

Instruction : Draw clean diagrams wherever necessary and tie each section separately. Figure to the right indicates full marks for the respective question.

1 Answer the following Questions: $10 \times 2 = 20$

- (1) What is dermal and inhalational toxicity?
- (2) Differentiate acute and sub acute toxicity.
- (3) Define Teratogenicity study.
- (4) What is toxicology study ? give one example.
- (5) What is LD₅₀ value?
- (6) Enlist principles of GLP.
- (7) What is IND study and mention its importance?
- (8) What is ICH & OECD?
- (9) Enlist factors affecting poison action.
- (10) What is Safety Pharmacology study.

2 Answer any two out of Following: **2×10=20**

- (1) Explain the term IND. Discuss process of IND application.
- (2) Describe chronic- oral, dermal and inhalational studies as per OECD guidelines.
- (3) Enlist content of schedule Y. explain in detail about phases of clinical trials according to schedule Y.

3 Answer any seven out of the following : $7 \times 5 = 35$

- (1) Describe about Reproductive toxicology studies.
- (2) Discuss about various applications of Genotoxicity studies.
- (3) Write about any two Tier 1 studies.
- (4) Give detailed note on OECD guideline No. 19.
- (5) Describe in detail acute & sub acute toxicity study as per OECD guideline.
- (6) Enlist various studies needed to be performed for an IND filing.
- (7) Explain about GLP as per OECD guideline.
- (8) What is acute oral toxicity study & Mention its principles & applications.
- (9) Write a note on Toxicokineticse.
