

Examination: Master in Pharmacy First Year First Semester EXAM 2025

Subject: **Pharmacological and Toxicological Screening Methods - I**

Ref. No.: Ex/MPL103T/2025

Time: 03 hrs

Full Marks: 75

Answer all the questions

Section A (25 marks)

Q1) Mention about the importance of Isolated Tissue Preparation in the explanation of Drug-Receptor Action. Write a short note on how anti-histaminic drug effect can be identified with the help of Isolated Guinea pig Preparation. (8+ 10)

Q2) What is NIBP? Write about its Advantage and Disadvantage over Invasive BP Measurement. (07)

Section B (25 marks)

Q3) Write down main objectives of the preclinical screening of new chemical entity. Write in short about antipyretic drug screening. (10)

Q4) Write notes on (**any one**) (15)

a) Preclinical screening of hepatoprotective drugs.

b) Preclinical screening of anti-Alzheimer's drugs.

Section C (25 marks)

Q5) Explain briefly the principles of CCSEA, objectives and functions of CCSEA (20)

Q6) Answer **any one** of the following: (5)

a) Discuss about the composition of IAEC.

OR

b) Discuss about the minimum qualification required for the members of IAEC.