

Paper code - ...

Your Roll No.

Examination: BSc-MSc Integrated (Toxicology) , Semester ____ (2022-23)
Paper: Medicinal Chemistry and Drug Designing (Code:) BTX-CC15

Time: 3 h

MM: 75

This Q paper contains 5 questions, each of 15 marks.

Q1. Answer all question in short (Not more than one sentence) [15]

- Define drug?
- The is the principal organ for drug metabolism.
- Write name of two non-covalent interactions.
- What is PubChem?
- Define prodrug?
- The dose level of a compound determines whether it will act as medicine or as a poison (True/False).
- Write name of two acidic amino acid?
- Drug targets are macromolecules located on cell membrane of cells or within the cells? (True/False)
- Define pharmacodynamics.
- Define selective toxicity.

Q2 What are different phases of drug discovery? Discuss phase II and III in details [15]
[OR]

Discuss primary, secondary and tertiary structures of protein in details.

Q3 Answer any two in details [15]

- What are different characteristics of a good drug candidate?
- What do you understand by pre-clinical trials. Explain in short
- Discuss ionic interaction and hydrophobic interaction in short.

Q4 Write short note on any two in short [15]

- Drug absorption.
- Enzyme inhibition
- Drug metabolism.
- Nucleic Acid as drug target

Q5 Write short note on any three [15]

- Therapeutic Index
- ADME Toxicity
- Clinical Trials
- PyMol

—End of Question paper----