

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]

- a. What do you understand by drug target?
- b. PubChem is a free resource supporting the search and retrieval of biomedical and life sciences literature True/ false.
- c. Define blood brain barrier.
- d. What is most important organ for drug metabolism.
- e. What is virtual screening?
- f. Define hydrogen bonding.
- g. What are two main secondary structures of protein?
- h. What is first pass effect?
- i. What is phase-I metabolic reaction.
- j. What is full form of QSAR.

Q2 Discuss the process of drug discovery in details. [OR] [15]

- a. Discuss different types of drug target.
- b. Name any two non-covalent interaction and explain them in short.

Q3 Answer any two in details [15]

- a. What do you understand by drug distribution? Explain in short.
- b. What do you understand by clinical trials. Explain Phase I and phase II trials.
- c. Discuss drug metabolism in short.

Q4 Answer any two in details [15]

- a. Write outline of the typical journey of oral drug.
- b. Write a short note on drug absorption.
- c. What do you understand by suicide and competitive inhibitors. Explain with example
- d. Write a short note on computational prediction of Toxicity.

Q5 Write short note on any three [15]

- a. PyMol
- b. PubChem
- c. Regulatory affair
- d. Protein as drug target.

—End of Question paper----