



CBCS SCHEME

18BT72

Seventh Semester B.E. Degree Examination, Jan./Feb. 2023 Clinical and Pharmaceutical Biotechnology

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

- 1 a. Discuss on role of biotechnology in drug design. (10 Marks)
b. Explain the manufacturing of tablets. (10 Marks)

OR

- 2 a. Write a detailed note on Parenteral preparation in pharma industry. (10 Marks)
b. Discuss on packaging techniques of any two. (10 Marks)

Module-2

- 3 a. Give a detailed note on Pharmacokinetics of protein based drugs. (10 Marks)
b. Discuss on Agonists and Antagonists. (10 Marks)

OR

- 4 a. Explain the concept of ADME studies. (10 Marks)
b. Write a detailed note on Drug Metabolism Phase I. (10 Marks)

Module-3

- 5 a. Discuss on cold remedies with an examples. (10 Marks)
b. Write a detailed note on Non-steroidal contraceptives. (10 Marks)

OR

- 6 a. Give an explanatory note on Antacids with an example. (10 Marks)
b. Explain the pharmacotherapy of migraine. (10 Marks)

Module-4

- 7 a. Discuss on hormones used as therapeutic agents with examples. (10 Marks)
b. Write a detailed note on preservation and clinical use of blood and blood components. (10 Marks)

OR

- 8 a. Explain the drug delivery system of any one type with an example. (10 Marks)
b. Discuss on therapeutic applications of Interferons and Interleukins. (10 Marks)

Module-5

- 9 a. Give a detailed note on clinical research with an example. (10 Marks)
b. Discuss on acute and sub-acute toxicology studies. (10 Marks)

OR

- 10 a. Explain on Epidemiology studies with an example. (10 Marks)
b. Give a detailed note on Data management. (10 Marks)

* * * * *

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and/or equations written eg. 42+8 = 50, will be treated as malpractice.