



CBCS SCHEME

15BT81

Eighth Semester B.E. Degree Examination, June/July 2019 Clinical and Pharmaceutical BT

Time: 3 hrs.

Max. Marks: 80

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

Module-1

- 1 a. Discuss about pre-formulation studies and its importance. (08 Marks)
b. Write a note on oral liquid formulation. (08 Marks)

OR

- 2 a. What is the need for formulation? Write about the excipients added during formulation of drug products. (08 Marks)
b. Write a note on formulation of Ointments. (08 Marks)

Module-2

- 3 a. Define pharmaco kinetic study of drugs and add a note on pharmacokinetic parameters. (10 Marks)
b. Write a critical note on agonist and antagonist. (06 Marks)

OR

- 4 a. Explain phase I and phase II drug metabolism. (10 Marks)
b. Write a brief account on CYP families. (06 Marks)

Module-3

- 5 a. Write about classification of drugs based on therapeutic action. (08 Marks)
b. Write about the various lines of drugs for TB treatment. (08 Marks)

OR

- 6 a. Give a brief account on pharmacotherapy for cancer. (08 Marks)
b. Write short notes on: i) laxatives ii) analgesics (08 Marks)

Module-4

- 7 a. Give an account on therapeutic use of interferons. (08 Marks)
b. Explain in detail liposome mediated drug delivery systems. (08 Marks)

OR

- 8 a. Give an account on types of stem cells and their identification strategies. (08 Marks)
b. Write about the use of stem cells in therapy of neurological disorders. (08 Marks)

Module-5

- 9 a. Discuss in detail about pre-clinical testing of new compounds and highlights its importance. (08 Marks)
b. Give an account on various phases of clinical trials. (08 Marks)

OR

- 10 a. List the various types of epidemiological study designs and explain in detail prevalence survey and case control studies. (10 Marks)
b. Write a critical note on placebo responses during clinical trials. (06 Marks)

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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.