

PHARMACOLOGY – I

Time: 3 hours

Max. Marks: 70

PART – A

(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) Define pharmacokinetic and pharmacodynamics.
 - (b) Enlist the advantages and disadvantages of oral route of administration.
 - (c) Define receptor and mention the type of cholinergic receptors.
 - (d) Write the adverse effects and uses of Labetalol.
 - (e) Classify the Ganglionic stimulants.
 - (f) Write a short note on Disulfiram.
 - (g) What is Alzheimer's disease?
 - (h) Define Schizophrenia. Mention the pathogenesis of Schizophrenia.
 - (i) Write the adverse effects and uses of Piroxicam.
 - (j) What are opioid antagonists, with suitable examples?

PART – B

(Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

- 2 Explain the drug-receptor interactions. Add a note on G-protein coupled receptors.

OR

- 3 Classify different routes of drug administration. Describe the parenteral route.

UNIT – II

- 4 Classify Anticholinergic drugs with examples and explain pharmacology of Atropine.

OR

- 5 Define and classify Local anesthetics. Write the pharmacology of Procaine.

UNIT – III

- 6 Classify Anxiolytics with examples. Explain pharmacological action and mechanism of action of Diazepam.

OR

- 7 Define and classify general anaesthetics with examples. Describe the stages of general anaesthetics.

UNIT – IV

- 8 Write the classification of Antipsychotics. Explain the pharmacology of Chlorpromazine.

OR

- 9 Explain different types of epilepsy. Discuss mechanism of action and adverse effects of sodium valproate.

UNIT – V

- 10 Write the classification of narcotic analgesic with examples. Discuss the pharmacology of morphine.

OR

- 11 Write the classification of Anti-migraine drugs. Explain the pharmacology of Sumatriptan.
