

B.Pharm III Year I Semester (R15) Regular Examinations November 2017

PHARMACOLOGY – I

Time: 3 hours

Max. Marks: 70

PART – A

(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) What is active diffusion and passive diffusion?
 - (b) Give examples of drugs which Inhibit drug metabolizing enzymes.
 - (c) What is first pass metabolism?
 - (d) What is ED₅₀ and LD₅₀?
 - (e) What is synergism and antagonism?
 - (f) Describe about Dilling's formula.
 - (g) What is drug dependence?
 - (h) Write the properties of an ideal anaesthetic.
 - (i) Write about disulfiram.
 - (j) Give examples of Narcotic analgesics.

PART – B

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

UNIT – I

- 2 Explain the significance of different sources of drugs and explain about various routes of drug administration.

OR

- 3 Write the pharmacology of neuromuscular blocking agents.

UNIT – II

- 4 What is parkinsonism disease? Write drugs used to treat and write their mechanism of actions.

OR

- 5 Classify Narcotic analgesic drugs and write pharmacology of them.

UNIT – III

- 6 Classify sedative and hypnotics. Write mechanism of actions of them.

OR

- 7 Write about centrally acting muscle relaxants.

UNIT – IV

- 8 Write in detail about the pharmacology of aspirin.

OR

- 9 Explain about drug addiction, drug abuse and drug tolerance.

UNIT – V

- 10 Write about various phases of clinical trials and explain about drug discovery flow chart.

OR

- 11 Write the pharmacology of sympatholytics.
