

Code: 15R00502

**R15**

B.Pharm III Year I Semester (R15) Supplementary Examinations June 2018

**PHARMACOLOGY – I**

Time: 3 hours

Max. Marks: 70

**PART – A**

(Compulsory Question)

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- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) Define tachyphylaxis.
  - (b) Write about the different phases of clinical trials.
  - (c) What are the steps involved in neurohumoral transmission.
  - (d) Write about different types of adrenergic receptors along with their locations.
  - (e) Write the MOA of disulfiram.
  - (f) Name some centrally acting muscle relaxants.
  - (g) Define Parkinsonism.
  - (h) Write the MOA and adverse effects of phenytoin.
  - (i) Classify anti-inflammatory drugs.
  - (j) Give a short note on opioid antagonists.

**PART – B**

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

**UNIT – I**

- 2 Explain in detail about synergism and antagonism with examples.

**OR**

- 3 Define biotransformation. Write a note on biotransformation reaction with example.

**UNIT – II**

- 4 Define Anticholinesterases. Classify them and write about the pharmacological actions, mechanism of action, adverse effects and uses of it.

**OR**

- 5 Explain in detail about Beta adrenergic blocking agents with examples.

**UNIT – III**

- 6 Explain about the stages of general anaesthesia and classify them with examples.

**OR**

- 7 Define sedatives and hypnotics. Give the MOA, adverse effects and uses of any one sedative and hypnotics from each class.

**UNIT – IV**

- 8 Give a detailed account on Anti-Parkinsonism drugs.

**OR**

- 9 Describe in detail about pharmacology of Antidepressants.

**UNIT – V**

- 10 Give a detailed note on antipyretic agents.

**OR**

- 11 Write about the pharmacology of preferential COX-2 inhibitors.

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