

(LP 2044)

SEPTEMBER 2019

Sub. Code: 2044

B.PHARM. DEGREE EXAMINATION
PCI Regulation – SEMESTER IV
PAPER IV – PHARMACOLOGY – I

Q.P. Code: 562044

Time: Three hours

Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions. (2 x 10 = 20)

1. Define Pharmacokinetics & Pharmacodynamics. Write in detail about Parenteral routes of drug administration.
2. Classify Anti-cholinergic drugs. Write the pharmacological actions, adverse effects and therapeutic uses of Atropine.
3. Classify Anticonvulsant drugs. Discuss the mechanism of actions, adverse effects and uses of Phenytoin.

II. Write notes on: Answer any SEVEN questions. (7 x 5 = 35)

1. Write a note on Tolerance.
2. Brief the stages of general anaesthesia.
3. Classify benzodiazepines. Write the mechanism of action and uses of benzodiazepines.
4. Explain the pharmacology of opioid analgesics.
5. Classify skeletal muscle relaxant. Describe the actions of non-depolarizing agents.
6. Give the diagrammatic representation of Adrenergic neurohumoral transmission.
7. Write a note on SSRIs.
8. Write on the transducer mechanism in G- Protein coupled receptors.
9. Define Parkinsonism. Write briefly on Bromocriptine.

III. Short answers on: Answer ALL questions. (10 x 2 = 20)

1. Give two examples of Animal source of drugs.
2. What is prodrug? Give two examples.
3. Define Teratogenicity and give two examples.
4. Mention two uses of local anaesthesia.
5. Define glaucoma and give two examples of anti-glaucoma drugs.
6. Disulfiram reaction.
7. Define hypnotics and give two examples.
8. Two therapeutic uses of adrenaline.
9. Name two antimanic drugs.
10. Name two hallucinogens.