

PY - 503
B.Pharmacy V Semester
Examination, December 2013
Pharmaceutical Chemistry - VI
(Medicinal Chemistry - I)
Time : Three Hours
Maximum Marks : 70

Note: 1. Solve any *Five* questions.

2. All questions carry equal marks.

1. a) What is Analgesia? Classify with examples antipyretic analgesic drugs.

b) Discuss Mechanism of action of NSAID's.

2. a) Write note on Muscarinic and Nicotinic antagonists.

b) Give detail account of Neurochemistry and stereochemistry of Acetylcholine.

3. a) Enumerate the biochemical causes of allergy.

b) Write note on anti allergic drugs.

4. a) Discuss the chemistry of Prostaglandins and Leukotienes.

b) Write note on 5HT agonists and 5HT antagonists.

5. a) What is Drug metabolism? Discuss phase I and II reactions?

b) Discuss in detail factors affecting drug metabolism..

6. a) Discuss the receptor site theory affecting drug action.

b) Explain the role of physico chemical and steric factors in drug design.

7. a) Explain in detail adrenergic antagonists.

b) Discuss neuromuscular blocking agents.

8. Write short notes on any two of the followings:

a) Local anesthetics.

b) Pro-drugs.

c) Stereoisomerism in drug molecule and its significance.