

B. Pharm. Fifth Semester
35162 : Medicinal Chemistry - I : T-5.2

P. Pages : 1

Time : Three Hours



AU - 0677

Max. Marks : 60

- Notes :
1. All question carry equal marks.
 2. Answer **five** question.
 3. Discuss the reaction, mechanism wherever necessary.

1. What do you mean by Drug-metabolism? Explain role of cytochrome P-450 monooxygenase in oxidative metabolism of drugs. 12
2. Explain the term prodrugs. Discuss types of prodrugs with examples. Write various applications of prodrugs. 12
3. Classify sympathomimetic agents with examples and structures. Explain biosynthesis of adrenergic neurotransmitters. 12
4. What are phase-II reactions? Write a detail account on Glucuronic acid and sulfate conjugation reactions. 12
5. What are cholinergic agents? Write a note on cholinesterase inhibitors. 12
6. Define and classify anticholinergic agents with examples. Explain SAR of anticholinergic agents. 12
7. Write note on **any two**. 12
 - a) SAR of Acetylcholine.
 - b) β - blockers.
 - c) Neuromuscular blockers.
