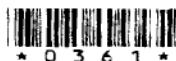


B. Pharm Fifth Semester
35162 : Medicinal Chemistry - I : T-5.2

P. Pages : 1

Time : Three Hours



AV - 2340

Max. Marks : 60

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

1. Why phase-I reactions are called as functionalization reactions? Explain role of cytochrome P-450 Monooxygenase in oxidative metabolism. Discuss various factors affecting drug metabolism. **12**
2. Define and classify sympathomimetic agents with examples. Explain biosynthesis of adrenergic neurotransmitters. **12**
3. What are conjugation reactions? Explain Glucuronic acid and sulfate conjugation reactions. **12**
4. Define Prodrugs. Explain types of prodrugs. Discuss applications of prodrugs with examples. **12**
5. Classify anticholinergic agents with examples. Explain SAR of anticholinergic agents. **12**
6. Define cholinergic agents. Discuss in detail cholinesterase inhibitors. **12**
7. Write note on **any two**. **12**
 - a) β -adrenergic receptor – antagonists.
 - b) SAR of Acetylcholine.
 - c) Optical and geometric isomerism.
