

B. Pharm. Third Semester
35151 : Pharmaceutical Organic Chemistry - I : T-3.3

P. Pages : 1

Time : Three Hours



AU - 0666

Max. Marks : 60

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

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| 1. | Write details about electrophilic aromatic substitution and also explain orientation and reactivity in electrophilic aromatic substitution. | 12 |
| 2. | Discuss methods of preparation and reactions of ethers and alkynes. | 12 |
| 3. | Explain methods of preparation of alkenes. And explain in details E ₁ & E ₂ reaction mechanism along with evidences. | 12 |
| 4. | Write halogenation reaction in alkane. Add an account on S _N 2 reaction, mechanism and stereochemistry. | 12 |
| 5. | Discuss addition of hydrogen halide on propene. Also add a note on oxymercuration demercuration reaction. | 12 |
| 6. | Discuss in detail hybridization. | 12 |
| 7. | Write short notes on any two . | 12 |
- a) Diel alder reaction & Dienes.
 - b) Inter and intra molecular forces.
 - c) Inductive effect and resonance.
