

B. Pharm. Fifth Semester
35163 : Pharmaceutical Organic Chemistry - III : T-5.3

P. Pages : 1

Time : Three Hours



AU - 0678

Max. Marks : 60

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

1. Explain retro-synthesis of ciprofloxacin and propranolol. 12
2. Draw structure of following with examples of drugs and chemistry. 12
 - i) Pyridine.
 - ii) Indole.
3. Explain multiple parallel synthesis and Deconvolution methods. 12
4. Explain classification, structure and denaturation of protein. 12
5. Explain- 12
 - i) Cannizzaro reaction.
 - ii) Aldol condensation.
 - iii) Birch Reduction.
6. Write in detail about Benzilic acid rearrangement and Beckmann rearrangement. 12
7. Write note on any two. 12
 - a) Split-mix synthesis.
 - b) Mutarotation.
 - c) Hofmann rearrangement.
