

P. Pages : 1

Time : Three Hours



AV - 2341

Max. Marks : 60

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

1. Draw structure of following with examples of drugs and give chemistry – 12
 - i) Indole
 - ii) Quinoline
2. Explain basic rules of disconnections and give retrosynthesis of propranolol. 12
3. Explain multiple parallel synthesis and Deconvolution methods. 12
4. Classify proteins. Explain structure and Denaturation of proteins. 12
5. Explain **any two**. 12
 - i) Benzillic acid rearrangement.
 - ii) Hofmann rearrangement
 - iii) Beckmann rearrangement.
6. Explain **any two**. 12
 - i) Aldol condensation.
 - ii) Cannizzaro reaction.
 - iii) MPV Reduction.
7. Write notes on **any two**. 12
 - i) Mutarotation
 - ii) Lossen rearrangement
 - iii) WDIF rearrangement.
