

Sardar Bhagwan Singh University
M. Sc Chemistry
IV Semester
Subject : Organic Synthesis and Photo-chemistry

- Q1. What is the significance of disconnecting approach in organic synthesis? Define synthons and synthetic equivalents with suitable example.
- Q2. What do you understand by functional group inter-conversion? Give suitable example.
- Q3. Define chemo-selectivity, reversal of polarity and its role in functional group inter-conversion.
- Q4. What are photo chemical reactions? Give classification of photochemical reactions.
- Q5. What do you understand by rate constant? Give any two methods to evaluate rate constant of organic reaction.
- Q6. Define photo dissociation reactions. Give suitable example.
- Q7. Give mechanism for Micheal addition reaction.
- Q8. What do you understand by regio-selectivity? Explain mechanism of Deils- Alder reaction.
- Q9. With example, explain alpha-beta unsaturated carbonyl compounds and 1,3-dis-functional compounds.
- Q10. Give mechanism for Barton reaction and Photo-fries rearrangement.