

SECTION-B

- Q2 What are SN^1 and SN^2 reactions of alkyl halides? Discuss kinetics and their order of reactivity.
- Q3 Discuss in detail the following reactions :
- a) Benzoin condensation.
 - b) Diel-Alder reaction.
- Q4 Discuss in detail the evidences of various Elimination reactions. Describe various factors affecting these reactions.

SECTION-C

- Q5 Give a comprehensive account of classification of organic compounds.
- Q6 Write Isocyanide reaction. What is its significance?
- Q7 Explain the mechanism of 1,2 and 1,4 addition reaction of conjugated dienes using suitable examples.
- Q8 Differentiate between enantiomers and diastereomers by giving examples.
- Q9 How will you differentiate between aldehydes and ketones qualitatively?
- Q10 Explain the mechanism of Aldol condensation reaction?
- Q11 How will you differentiate between 1° , 2° and 3° alcohols qualitatively?
- Q12 Discuss effects of substituents on basicity of aliphatic amines.
- Q13 How will you identify presence of carboxylic group in organic compounds?