



Course Outcome	Bloom's K-level	Q. No.	<b>SECTION – B (5 X 5 = 25 Marks)</b> <b>Answer ALL Questions choosing either (a) or (b)</b>
CO1	K3	11a.	Write down the structure of the following compound. a) Neopentane    b) 1,1-DichloroEthane    c) Buta-1,3-diene d) 2,4-Dimethylhexanol    e) 3-Bromo-2-methylpentanal <b>(OR)</b>
CO1	K3	11b.	Illustrate the rules in Naming of heterocyclic ring compounds.
CO2	K3	12a.	Interpret the Steric effect, Steric Overcrowding and inhibition. <b>(OR)</b>
CO2	K3	12b.	Identify Homolytic and Heterolytic fission with suitable examples.
CO3	K4	13a.	Discover Polymerisation reaction's types with suitable examples. <b>(OR)</b>
CO3	K4	13b.	How would you identify the major product in organic reactions by applying Hoffmann's and Saytzeffs rule?
CO4	K4	14a.	Depict Ozonolysis and allylic bromination by NBS. <b>(OR)</b>
CO4	K4	14b.	Define Diels-Alder reaction and express its mechanism with example.
CO5	K5	15a.	Deduce the preparation and uses of Dioxin and Oxirane. <b>(OR)</b>
CO5	K5	15b.	How can you measure the number of methoxy groups by Zeisel's method?

Course Outcome	Bloom's K-level	Q. No.	<b>SECTION – C (5 X 8 = 40 Marks)</b> <b>Answer ALL Questions choosing either (a) or (b)</b>
CO1	K3	16a.	Classify organic compounds with examples. <b>(OR)</b>
CO1	K3	16b.	Define Structural isomerism and write any of its three types with examples.
CO2	K4	17a.	What are free radicals? Infer on their preparation, Structure and stability. <b>(OR)</b>
CO2	K4	17b.	Illustrate the types and application of Inductive effect.
CO3	K4	18a.	Elucidate the mechanism and the stereochemistry of SN <sub>2</sub> Reaction. <b>(OR)</b>
CO3	K5	18b.	Comment on the preparations, properties and uses of CCl <sub>4</sub> and Chloroprene.
CO4	K4	19a.	Analyse the addition reaction in unsymmetrical olefins by Markownikoff's rule and peroxide effect. <b>(OR)</b>
CO4	K5	19b.	Criticize the stability of conjugated dienes and Mechanism of 1, 2 and 1, 4- addition reaction.
CO5	K5	20a.	Prioritize any two methods of preparation for Primary and Secondary Alcohol. <b>(OR)</b>
CO5	K5	20b.	Predict the physical and chemical properties of Ethers and alcohols.