

Course Outcome	Bloom's K-level	Q. No.	SECTION – B (5 X 5 = 25 Marks) Answer <u>ALL</u> Questions choosing either (a) or (b)
CO1	K3	11a.	Write note on Pauli's exclusion principle. (OR)
CO1	K3	11b.	Find the hybridisation and geometry of BeCl ₂ ..
CO2	K3	12a.	Write example for a) Homolytic cleavage b) Heterolytic cleavage (OR)
CO2	K3	12b.	Clarify the term reaction intermediate with suitable examples.
CO3	K4	13a.	Infer fluorescence with example. (OR)
CO3	K4	13b.	Illustrate the term photosensitization.
CO4	K4	14a.	Distinguish on homo polymer and co polymer with suitable examples. (OR)
CO4	K4	14b.	Examine the preparation and properties Neoprene rubber.
CO5	K5	15a.	Classify the Lubricants. (OR)
CO5	K5	15b.	Appraise the preparation of tooth paste and tooth powder.

Course Outcome	Bloom's K-level	Q. No.	SECTION – C (5 X 8 = 40 Marks) Answer <u>ALL</u> Questions choosing either (a) or (b)
CO1	K3	16a.	Elaborate Covalent and Hydrogen bond with suitable examples (OR)
CO1	K3	16b.	Find the Hybridisation for the following using VSEPR theory: a) CH ₄ b) H ₂ O c) BF ₃ d) IF ₇
CO2	K4	17a.	Examine the preparation and properties of carbocation. (OR)
CO2	K4	17b.	Illustrate the types of reactions with one example each.
CO3	K4	18a.	Focus on the laws of photochemistry. (OR)
CO3	K4	18b.	Compare thermal and Photo chemical reaction.
CO4	K5	19a.	Classify the polymers based on origin and linkage. (OR)
CO4	K5	19b.	Assess the thermosetting polymers.
CO5	K5	20a.	Evaluate the criteria of good lubricant. (OR)
CO5	K5	20b.	Illustrate preparation and uses of shampoo.