

SECTION - B (35 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Applying sublimation technique how do you separate a mixture of naphthalene and sodium chloride	K3	CO1
	(OR)			
	11.b.	Identify the applications of paper chromatography		
2	12.a.	Classify the detergents with suitable example	K2	CO2
	(OR)			
	12.b.	Explain the cold process of manufacturing soaps		
3	13.a.	Develop the extraction method and uses of piperine	K3	CO3
	(OR)			
	13.b.	Build two green synthesis		
4	14.a.	Show the derivation for first order reaction rate constant	K2	CO4
	(OR)			
	14.b.	Outline the following with suitable example i) Catalytic reactions (3.5 Marks) ii) Enzyme catalysis (3.5 Marks)		
5	15.a.	Explain the following terms i) Water pollution (2 Marks) ii) DO (2 Marks) iii) BOD (1.5 Marks) iv) COD (1.5 Marks)	K5	CO5
	(OR)			
	15.b.	Evaluate the sources and various factors affecting of Soil pollution.		

SECTION -C (30 Marks)

Answer ANY THREE questions

ALL questions carry EQUAL Marks

(3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	Construct the principle and application of purification techniques in Steam distillation and distillation under reduced pressure method.	K3	CO1
2	17	Summarize types of soap with their chemical composition and specific uses	K2	CO2
3	18	Build the Preparation, Properties and uses of benzom.	K3	CO3
4	19	(i) Bring out the difference between order and molecularity (5 Marks) (ii) Illustrate the mechanism of enzyme catalysis (5 Marks)	K2	CO4
5	20	Show effects of i) Acid rain (5 Marks) ii) Global warming (5 Marks)	K1	CO5

Z-Z-Z

END