Chapter No.	Co Statement	UO statement	Description	Link
Chpater-1 Introduction to resinsand	CO-1: Explain various polymers and polymerization techniques.	1a. List various binders.	Assessment	https://drive.google.com/drive/folders/1t 1BELS I9Nx1SGEm8O86po7R Vrgu BWT?usp=sharing
			Study Material	
			PPT	
		1b. Classify resins.	Assessment	
			Study Material	
			PPT	
		1c. State properties of resins.	Assessment	
			Study Material	
concept of			PPT	
polymerizat	teeninques.	1d. Write reactions of polymerization.	Assessment	https://drive.google.com/drive/folders/1
ion		rd. Write reactions of polymerization.	Study Material	vhJ-Ajd-
			PPT	DwpKONue2sAj1VWb2YCaaqm4?usp
			Assessment	=sharing
		1e. Explain various methods of polymerization.	Study Material	
			PPT	
		2a. Name various sources of natural resins.	Assessment	https://drive.google.com/drive/folders/1 6GaTInJP7Z_LZGL4slOMCOuKL6EZ DGX4?usp=sharing https://drive.google.com/drive/folders/1 6GaTInJP7Z_LZGL4slOMCOuKL6EZ DGX4?usp=sharing
	CO:2 Select raw materials for resins.		Study Material	
			PPT	
		2b. List natural resins.	Assessment	
			Study Material	
			PPT	
		2c. Describe different types of natural resins & their properties	Assessment	
			Study Material	
Chapter-2			PPT	
		2d. State modification of natural resins.	Assessment	
Natural			Study Material	
Resins			PPT	
		2e. State properties & applications of natural resins.	Assessment	
			Study Material	
			PPT	
		2f. State application of varnishes.	Assessment	
			Study Material	
			PPT	
		2g. List properties and application of bituminous &	Assessment	
		hydrocarbon resins.	Study Material	

			PPT	
Chapter-3		3a. Classify alkyd and polyester resins.	Assessment	
			Study Material	
			PPT	https://drive.google.com/drive/folders/1
	CO-3: State properties and applications of	3b. Describe different raw materials for alkyd and polyester resins.	Assessment	2625-
			Study Material	XmGh2lRYUJL6iR1Ulicle3j6Y6j?usp=
			PPT	sharing
		3c. Write esterification reactions for formation of alkyd and polyester resins.	Assessment	
			Study Material	
A11 1 1			PPT	
Alkyd and		3d. Explain manufacturing method of alkyd and	Assessment	
Polyesters Resins	resins.		Study Material	
Kesiiis		polyester resin.	PPT	1 /1 /6 11 /1
			Assessment	https://drive.google.com/drive/folders/1
		3e. State properties & applications of alkyd &	Study Material	GQcGn1AHaOAXfzAWjA0QdLxnJYo
		polyester resins.	PPT	cGELg?usp=sharing
		3f. Describe modifications of alkyd and polyester resins.	Assessment	
			Study Material	
			PPT	
		4a. Classify amino resins.	Assessment	
	CO-4: Determine physico-chemical properties of resins.		Study Material	
			PPT	
		4b. List raw materials for amino and phenolic resins.	Assessment	
			Study Material	
			PPT	
Chapter 4		4c. Describe synthesis methods of amino and phenolic resin.	Assessment	
Chapter-4			Study Material	https://drive.google.com/drive/folders/1
Amino and			PPT	M9YVH5T7gmezGWDBV-
Phenolic		4d. State properties & applications of amino and phenolic resins.	Assessment	BZ5tgkIptAgT5w?usp=sharing
resins			Study Material	
			PPT	
		4e. State significance of P: F ratio in synthesis of phenolics.4f. Describe phenolic resins as an insulating resin.	Assessment	
			Study Material	
			PPT	
			Assessment	
			Study Material	
			PPT	

	T	T	Ι.	
		4g. List application of phenolic resin based insulating	Assessment	
		varnishes.	Study Material	
			PPT	
		Ah Differentiate amine and phonelic regins	Assessment	
		4h. Differentiate amino and phenolic resins.	Study Material	
			PPT	
	CO-5	5a. State importance of chlorinated rubber as a binder.	Assessment	
			Study Material	
			PPT	
		5b. Explain synthesis method of Chlorinated rubber and Nitrocellulose resins.	Assessment	
			Study Material	
			PPT	
Chapter-5		5c. State significance of dampening	Assessment	
Chapter 5			Study Material	https://drive.google.com/drive/folders/1
Chlorinated	Select relevant		PPT	rAKQtp2sVYGmPZiO7Awxh-
Rubber and	resin for paints and coatings.	5d. State properties and application of CR and NC.	Assessment	IbBJ4On3gw?usp=sharing
Nitrocellulos			Study Material	
e resins			PPT	
		5e. Describe compatibility of CR and NC with other resins.	Assessment	
			Study Material	
			PPT	
			Assessment	
		5f. State application parameters of CR and NC.	Study Material	
		r r	PPT	