

**RKCAT POLYTECHNIC LESSON PLAN-
2023/24(SUMMER)**

Discipline : CIVIL ENGG.		Semester: 6th Sem		Name of the Teaching Faculty :DEBASISH JENA
Subject : ACT&E (Th.3)		per week class allotted : 04		Semester From date : 29.01.2024 to Date : 26.04.2024
Month	Week	Day	Unit	Topics
JANUARY	5th	1ST	UNIT-1	FIBERS & PLASTICS: Types of Fibers,Types of plastics
		2ND		Artificial timbers ,Miscellaneous materials
FEBRUARY	1ST	4TH	UNIT-2	Do
	2ND	1ST		PREFABRICATION: Necessity and scope of prefabrication,uses of prefabrication.
		3RD		Types of prefabrication, classification of prefabrication.
	3RD	1ST	UNIT-2	Advantages and dis advantages of prefabrication.
		2ND		Indian standard recommendation for modular planning.
		4TH		Earthquake Resistance Construction: Building Configuration
	4TH	2ND	UNIT-3	Lateral load resisting structures , Building Characteristics
		3RD		Vertical irregularities ,plan configuration problem
		1ST		Corner Reinforcement,lintel band, plinth band,roof band,gable band
		2ND		REVISION CLASSES
MARCH	2ND	3RD	UNIT-4	RETROFITTING OF STRUCTURES : Seismic retrofittingof rcc buildings.
		2ND		do
		4TH		Sources of weakness in RC frame building
		4TH		Classification of Retrofitting techniques.
	3RD	1ST	UNIT-5	Do
		2ND		BUUILDING SERVICES : Cold water distribution in high rise building
		3RD		Hot water supply for central plants layout.
		4TH		Soil & waste water installation in high rise building.
	4TH	1ST		Electrical services
		2ND		do
		3RD		Lighting
		4TH		PRACTICE PREVIOUS YEAR SET QUESTIONS
	5TH	2ND		ventilation
		3RD		do
		4TH		Lift,Escalator,Elevator
APRIL	1ST	2ND	UNIT-6	CONSTRUCTION AND EARTH MOVING EQUIPMENTS
		3RD		Planning and selection of construction equipments.
		4TH		Study of dragline, tractor, bulldozer,power shovel.
	2ND	1ST		Study and uses of compacting equipments
		3RD		DOUBT CLEARING CLASSES
		5TH		INTERNAL
	3RD	4TH	UNIT-7	SOIL REINFORCING TECHNIQUES: Necessity of soil reinforcing.
		1ST		Wire mesh & geo-synthetics.
		2ND		Strengthening of embankment
		3RD		CLASS TEST-1
		5TH		CLASS TEST-2