

Lesson Plan


Subject ACT&E (Code) TH-3 Name of faculty Bandana Behera
 Semester 6th Class allotted 4P/Week Branch Civil Engg.

Discipline	Semester	From date:	To date:	Teaching Aid
Subject:	No. of days/ per week <u>5P/Week:</u>	Theory/ Practical - Topics/Lesson		
Week	Date/Period			
1		CH-1 Advanced Construction Materials - Fibers and plastics I - Types of fibers, Use of fibers as construction material, Properties of fibers.		
	10/03/2022 To			
	12/03/2022 3 Periods	Types of Plastics I - PVC, RPVC, HDPE, FRP, GFRP etc. Use of plastic.		
2		Artificial Timbers - Properties and uses of artificial timbers.		
	14/03/2022 To			
	19/03/2022 3 Periods	Types of artificial timber. Miscellaneous materials I - Properties and uses of acoustic materials.		
3		Wall claddings, plaster boards, micro-stone, artificial sand.		
	21/03/2022 To			
	26/03/2022 5 Periods	CH-2 - Prefabrication - Introduction, necessity and scope. Uses of prefabricated types of prefabricated system.		
4		Classification of prefabrication, advantages and disadvantages of Prefabrication. Design principle of Prefabrication systems. Types of Prefabrication elements.		
	28/03/2022 To			
	02/04/2022 5 Period			
5		Indian standard recommendation for Modular Planning.		
	09/04/2022 To			
	09/04/2022 5 Periods	CH-3 Earthquake resistance construction - Building configuration, lateral load resisting structures Effect of structural irregularities - Vertical irregularities, Plan configuration. Safety considerations during additional construction.		
6		Measuring in masonry based on Building - corner reinforcement.		
	11/04/2022 To			
	16/04/2022 4 Periods			
7		CH-4 Reinforced structures I - Setback retrofitting of reinforced concrete buildings. Sources of weakness in RC frame		
	18/04/2022 To			
	23/04/2022 5 Periods			


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Week	Date/Period	Theory/ Practical - Topics/Lesson	Teaching Aid
8	25/04/2022 TO	Sources of weakness in RC frame building.	
	30/04/2022 5 Periods	Classification of retrofitting techniques and their uses.	
	02/05/2022 TO	CHE Building Services - Cold Water Distribution in high rise building, Low	
9	07/05/2022 4 Periods	out of installation. Hot water supply :- General Principles	
	09/05/2022 TO	For central plants - Various.	
10	14/05/2022 5 Periods	Lighting - Requirement of Lighting Electrical services - Layout of wiring, Fuses, Earthing.	
	17/05/2022 TO	Lighting, Ventilation, Methods of Ventilation, Mechanical services	
	21/05/2022 5 Periods	Lifts, Escalator, Elevators. CHE Construction and earth moving.	
11	23/05/2022 TO	planning and selection of construction equipments.	
	28/05/2022 5 Periods	Study on earth moving equipments like - drag line, tractor, bulldozer	
	30/05/2022 TO	study and uses of compacting equipments. like tamper rollers, smooth rollers, rollers	
12	04/06/2022 4 Periods	Pneumatic tired rollers and vibrating. Drags and Operating Cost - problems. CH-7. Soil reinforcement techniques -	
	06/06/2022 TO	Necessity of soil reinforcement. Use wire mesh and geo-	
	10/06/2022 5 Periods	Synthetic. Strengthening of embankments. slope stabilization in cutting and embankment by soil reinforcing technique.	
13			
14			
15			


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