

LESSON PLAN

Name of Faculty : GAURAV

Discipline : Civil Engineering L T P

Subject : CT LAB

Semester : 3rd - - 2

Lesson plan Duration : AUG-NOV

Week	Lecture Day	PRACTICAL	Delivery Date of Lecture		Whether the Lesson Plan Followed ?
		TOPIC			
		(including Assignments / Seeminar / Group Discussion / Sessional Tests)	Expected	Actual	Yes / No
1st	1st	1. To determine the physical properties of cement such as fineness, consistency, setting time, soundness, and compressive strength of cement as per IS Codes			
2nd	2nd	1. To determine the physical properties of cement such as fineness, consistency, setting time, soundness, and compressive strength of cement as per IS Codes			
3rd	3rd	2. To determine flakiness at elongation Index of coarse aggregate			
4th	4th	3. To determine silt content in fine aggregate			
5th	5th	4. Determination of specific gravity and water absorption of aggregates			
6th	6th	5. Determination of bulk density and voids of aggregates			
7th	7th	6. Determination of particle size distribution of fine, coarse and all-in aggregate by sieve analysis (grading of			
8th	8th	7. To determine bulking of fine aggregates			
9th	9th	8. To determine workability by slump test and to verify the effect of water, fine aggregate/coarse aggregate ratio and aggregate/Cement ratio on slump			

10th	10th	8. To determine workability by slump test and to verify the effect of water, fine aggregate/coarse aggregate ratio and aggregate/Cement ratio on slump			
11th	11th	9. Compaction factor test for workability			
12th	12th	10. Non destructive test on concrete by: a) Rebound Hammer Test			
13th	13th	10. b) Ultrasonic Pulse Velocity Test			
14th	14th	11. To determine compressive strength of concrete cubes for different grades of concrete			
15th	15th	12. To determine flexural strength of concrete beam			