

LESSON PLAN

Name of Faculty : Mrs. Sunita

Discipline : Civil Engineering **L T P**

Subject : Construction Material (Practical)

Semester : 2nd **- - 8**

Lesson plan Duration : Jan. 2026 - April 2026 (15 weeks)

Week	Lecture Day	Groups	Practicals	Delivery Date of Lecture		Whether the Lesson Plan Followed ?
				Expected	Actual	Yes / No
1st	1st	G2	Introduction of stones used in building construction			
	2nd	G2	To identify the stones used in building works by visual examination			
	3rd	G1	Introduction of stones used in building construction			
	4th	G1	To identify the stones used in building works by visual examination			
2nd	1st	G2	Introduction of crushing strength of bricks and explain the procedure of determining the crushing strength of bricks.			
	2nd	G2	To determine the crushing strength of bricks			
	3rd	G1	Introduction of crushing strength of bricks and explain the procedure of determining the crushing strength of bricks.			
	4th	G1	To determine the crushing strength of bricks			
3rd	1st	G2	Introduction of crushing strength of bricks and explain the procedure of determining the crushing strength of bricks.			
	2nd	G2	To determine the crushing strength of bricks			
	3rd	G1	Introduction of crushing strength of bricks and explain the procedure of determining the crushing strength of bricks.			
	4th	G1	To determine the crushing strength of bricks			
4th	1st	G2	Introduction of water absorption of bricks and explain the procedure of determining the water absorption of bricks.			
	2nd	G2	To determine the water absorption of bricks			
	3rd	G1	Introduction of water absorption of bricks and explain the procedure of determining the water absorption of bricks.			
	4th	G1	To determine the water absorption of bricks			
5th	1st	G2	Internal Viva Voce- I			
	2nd	G2	Internal Viva Voce- I			
	3rd	G1	Internal Viva Voce- I			
	4th	G1	Internal Viva Voce- I			

6th	1st	G2	Introduction of efflorescence of bricks and explain the procedure of determining the efflorescence of the bricks.			
	2nd	G2	To determine the efflorescence of bricks			
	3rd	G1	Introduction of efflorescence of bricks and explain the procedure of determining the efflorescence of the bricks.			
	4th	G1	To determine the efflorescence of bricks			
7th	1st	G2	To conduct a practical for dimensional tolerances of a brick.			
	2nd	G2	To conduct a practical for dimensional tolerances of a brick.			
	3rd	G1	To conduct a practical for dimensional tolerances of a brick.			
	4th	G1	To conduct a practical for dimensional tolerances of a brick.			
8th	1st	G2	To perform the following field tests on cement to judge the quality of cement: Date of Packing, Colour, Hand Insertion, Float Test, Smell Test, and Presence of lumps.			
	2nd	G2	To perform the following field tests on cement to judge the quality of cement: Date of Packing, Colour, Hand Insertion, Float Test, Smell Test, and Presence of lumps.			
	3rd	G1	To perform the following field tests on cement to judge the quality of cement: Date of Packing, Colour, Hand Insertion, Float Test, Smell Test, and Presence of lumps.			
	4th	G1	To perform the following field tests on cement to judge the quality of cement: Date of Packing, Colour, Hand Insertion, Float Test, Smell Test, and Presence of lumps.			
9th	1st	G2	Revision			
	2nd	G2	Revision			
	3rd	G1	Revision			
	4th	G1	Revision			
10th	1st	G2	Internal Viva Voce- II			
	2nd	G2	Internal Viva Voce- II			
	3rd	G1	Internal Viva Voce- II			
	4th	G1	Internal Viva Voce- II			
11th	1st	G2	To identify various types of timbers such as: Teak, Sal, Chir, Shisham, Deodar, Kail&Hollock by visual examination only			
	2nd	G2	To identify various types of timbers such as: Teak, Sal, Chir, Shisham, Deodar, Kail&Hollock by visual examination only			
	3rd	G1	To identify various types of timbers such as: Teak, Sal, Chir, Shisham, Deodar, Kail&Hollock by visual examination only			

	4th	G1	To identify various types of timbers such as: Teak, Sal, Chir, Shisham, Deodar, Kail&Hollock by visual examination only			
12th	1st	G2	The students should submit a report work on the construction materials (at least one per week) as mentioned below. They will also show the competitive study based upon the Cost, Brand Name and Sizes available in the local market. a) Plywood, Veneers, Sunmica b) Paints, Varnishes and Distempers			
	2nd	G2	c) Aluminium and Stainless steels d) Water proofing material			
	3rd	G1	The students should submit a report work on the construction materials (at least one per week) as mentioned below. They will also show the competitive study based upon the Cost, Brand Name and Sizes available in the local market. a) Plywood, Veneers, Sunmica b) Paints, Varnishes and Distempers			
	4th	G1	c) Aluminium and Stainless steels d) Water proofing material			
13th	1st	G2	e) PVC Panels and FRPs f) POP and Asbestos sheets			
	2nd	G2	g) Termites, Polymers and Epoxies			
	3rd	G1	e) PVC Panels and FRPs f) POP and Asbestos sheets			
	4th	G1	g) Termites, Polymers and Epoxies			
14th	1st	G2	Revision			
	2nd	G2	Revision			
	3rd	G1	Revision			
	4th	G1	Revision			
15th	1st	G2	Internal Viva Voce- III			
	2nd	G2	Internal Viva Voce- III			
	3rd	G1	Internal Viva Voce- III			
	4th	G1	Internal Viva Voce- III			