JHARSUGUDA ENGINEERING SCHOOL,JHARSUGUDA
DEPARTMENT OF CIVIL ENGINEERING

LESSON PLAN

PROGRAMME: DIPLOMA IN CIVIL ENGINEERING

SUBJECT- CIVIL ENGINEERING LABORATORY-I

SEMESTER- 3rd

Week No.	Class Day	Experiment No.	Topic to be Covered
1st	1st	1	Determination of fineness of Cement by sieving
	2nd	2	Determination of normal Consistency
2nd	1st	3	Determination of initial and final setting time of Cement
	2nd	4	Determination of soundness of Cement by Le-Chatelier apparatus
3rd	1st	5	Determination of Compressive Strength of cement.

	2nd	6	Determination of Compressive Strength of Burnt clay & Fly Ash Bricks
4th	1st	7	Grading of Fine & Coarse aggregate by sieving for concrete
	2nd	8	Determination of Specific Gravity and Bulking of sand.
5th	1st	9	Determination of Specific Gravity and Bulk density of coarse aggregate
	2nd	10	Determination of Flakiness, Elongation of Road aggregates

6th	1st	11	Determination of Crushing Value Test of aggregates
	2nd	12	Los-Angeles Abrasion Test of aggregate.
7th	1st	13	Impact test of aggregate
	2nd	14	Determination of Compressive Strength of concrete cubes

8th	1st	15	Determination of Workability of concrete by: a) Slump Cone method, b) Compaction Factor method.
	2nd	16	Non Destructive tests on Concrete: a) Demonstration on Rebound hammer b) Ultrasonic Pulse Velocity measuring Instrument.

15/9/22

19/9/2022.

Signature of Faculty Member	Counter Signature of H.O.D.