


LESSON PLAN OF 3rd SEMESTER CIVIL ENGINEERING (W-2020-21)

Discipline :-CIVIL	Semester:- 3 rd	Name of the Teaching Faculty:-Abinash Jena
Subject:- CIVIL ENGINEERING LABORATORY-I	No of Days/per Week Class Allotted :- 02	Semester From:- 1.09.2020 To:- 19.03.2021 No of Weeks:- 15 Total Period-90 Periods per week-6 Periods
Week	Class Day	Theory/ Practical Topics
1 st	1 st	1. Test on Steel Determination of Young's Modulus of steel in a tensile testing machine.
	2 nd	Practical
2 nd	1 st	2. Tests on Cement, Sands, Bricks, Blocks & Aggregates 2.1 Determination of fineness of Cement by sieving.
	2 nd	Practical
3 rd	1 st	2.2 Determination of normal Consistency, initial and final setting time of Cement 2.3 Determination of soundness of Cement by Le-Chatelier apparatus.
	2 nd	Practical
4 th	1 st	2.4 Determination of Compressive Strength of cement. 2.5 Determination of Compressive Strength of Burnt clay, Fly Ash Bricks and Blocks.
	2 nd	Practical
5 th	1 st	2.6 Grading of Fine & Coarse aggregate by sieving for concrete .
	2 nd	Practical
6 th	1 st	2.7 Determination of Specific Gravity and Bulking of sand.
	2 nd	Practical
7 th	1 st	2.8 Determination of Specific Gravity and Bulk density of coarse aggregate. 2.9 Grading of Road Aggregates.

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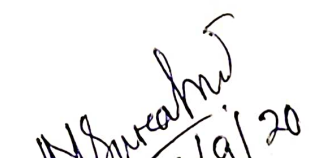
	2 nd	Practical
8 th	1 st	2.10 Determination of Flakiness, Elongation of Road aggregates.
	2 nd	Practical
9 th	1 st	2.11 Determination of Crushing Value Test of aggregates.
	2 nd	Practical
10 th	1 st	2.12 Los-Angeles Abrasion Test of aggregate.
	2 nd	Practical
11 th	1 st	2.13 Impact test of aggregate.
	2 nd	Practical
12 th	1 st	2.14 Determination of soundness test of road aggregates.
	2 nd	Practical
13 th	1 st	3.1 Determination of Compressive Strength of concrete cubes.
	2 nd	Practical
14 th	1 st	3.2 Determination of Workability of concrete by: a) Slump Cone method, b) Compaction Factor method.
	2 nd	Practical
15 th	1 st	3.3 Non Destructive tests on Concrete: a) Demonstration on Rebound hammer b) Ultrasonic Pulse Velocity measuring Instrument.
	2 nd	Practical


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Academic Coordinator

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