

LESSON PLAN FOR WINTER SESSION (2022-23)

PROGRAMME : CIVIL ENGINEERING				NAME OF THE FACULTY: Mr. ARABINDA SAHU
COURSE NAME : CIVIL ENGINEERING LABORATORY-I				SESSION : 2022-23
COURSE CODE : PR 1				DATE : 15/09/22 To 22/12/22
SEMESTER : 3rd				
PERIODS/WEEK: 6				
TOTAL PERIODS:78				TOPICS
WEEK	PERIODS(3 Hr)	GROUP	UNITS	
Sept. 3rd Week	1	I	1	I. Material Testing Laboratory: 1. Test on Steel - Determination of Young's Modulus of steel in a tensile testing machine
	2	I	2	2. Tests on Cement, Sands, Bricks, Blocks & Aggregates 2.1 Determination of fineness of Cement by sieving
	1	II	1	I. Material Testing Laboratory: 1. Test on Steel - Determination of Young's Modulus of steel in a tensile testing machine
	2	II	2	2. Tests on Cement, Sands, Bricks, Blocks & Aggregates 2.1 Determination of fineness of Cement by sieving
Sept. 4th Week	1	I	2	2.2 Determination of Normal Consistency of Cement
	2	I	2	2.2 Determination of Normal Consistency of Cement
	1	II	2	2.2 Determination of Initial and Final setting time of Cement
	2	II	2	2.2 Determination of Initial and Final setting time of Cement
Oct. 1st Week	1	I		Puja Holidays
	2	I		
	1	II		
	2	II		
Oct. 2nd Week	1	I	2	2.3 Determination of soundness of Cement by Le-Chatelier apparatus
	2	I	2	2.4 Determination of Compressive Strength of cement
	1	II	2	2.3 Determination of soundness of Cement by Le-Chatelier apparatus
	2	II	2	2.4 Determination of Compressive Strength of cement
Oct. 3rd Week	1	I	2	2.5 Determination of Compressive Strength of Burnt clay, Fly Ash Bricks and Blocks
	2	I	2	2.6 Grading of Fine & Coarse aggregate by sieving for concrete
	1	II	2	2.5 Determination of Compressive Strength of Burnt clay, Fly Ash Bricks and Blocks
	2	II	2	2.6 Grading of Fine & Coarse aggregate by sieving for concrete
Oct. 4th Week	1	I	2	2.7 Determination of Specific Gravity of sand
	2	I	2	2.7 Determination of Bulking of sand
	1	II	2	2.7 Determination of Specific Gravity of sand
	2	II	2	2.7 Determination of Bulking of sand
Nov. 1st Week	1	I	2	2.8 Determination of Specific Gravity of coarse aggregate
	2	I	2	2.8 Determination of Bulk density of coarse aggregate
	1	II	2	2.8 Determination of Specific Gravity of coarse aggregate
	2	II	2	2.8 Determination of Bulk density of coarse aggregate
Nov. 2nd Week	1	I	2	2.9 Grading of Road Aggregates
	2	I	2	2.10 Determination of Flakiness, Elongation of Road aggregates
	1	II	2	2.9 Grading of Road Aggregates
	2	II	2	2.10 Determination of Flakiness, Elongation of Road aggregates
Nov. 3rd Week	1	I	2	2.11 Determination of Crushing Value Test of aggregate
	2	I	2	2.12 Los-Angeles Abrasion Test of aggregate.
	1	II	2	2.11 Determination of Crushing Value Test of aggregate
	2	II	2	2.12 Los-Angeles Abrasion Test of aggregate.
Nov. 4th Week	1	I	2	2.13 Impact test of aggregate
	2	I	2	2.14 Determination of soundness test of road aggregates
	1	II	2	2.13 Impact test of aggregate
	2	II	2	2.14 Determination of soundness test of road aggregates
Dec. 1st Week	1	I	3	II Concrete Laboratory 3.1 Determination of Compressive Strength of concrete cubes
	2	I	3	II Concrete Laboratory 3.1 Determination of Compressive Strength of concrete cubes
	1	II	3	II Concrete Laboratory 3.1 Determination of Compressive Strength of concrete cubes
	2	II	3	II Concrete Laboratory 3.1 Determination of Compressive Strength of concrete cubes
Dec. 2nd Week	1	I	3	3.2 Determination of Workability of concrete by Slump Cone method
	2	I	3	3.2 Determination of Workability of concrete by Compaction Factor method
	1	II	3	3.3 Non Destructive tests on Concrete: Demonstration on Rebound hammer
	2	II	3	3.3 Non Destructive tests on Concrete: Demonstration on Rebound hammer
Dec. 3rd Week	1	I	3	3.3 Non Destructive tests on Concrete: Ultrasonic Pulse Velocity measuring Instrument.
	2	I	3	3.3 Non Destructive tests on Concrete: Ultrasonic Pulse Velocity measuring Instrument.
	1	II		RECORD CHECK
	2	II		VIVA-VOCE

Arabinda Sahu
Concern faculty
13/9/22

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GP Nabarangpur
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