



# DEPARTMENT OF CIVIL ENGINEERING ,OSME KEONJHAR

## Lesson Plan for Winter-2023

Discipline: <u>Civil Engg.</u>		Semester- <u>3<sup>rd</sup></u>	Name of the faculty : <u>Er.Sashidhar Behera</u>
Subject –Civil engineering lab-I ( Pr-1 )		No of classes /per week class allotted: <u>06hrs</u>	Semester from date- <u>01.08.2023 to 30.11.2023</u> No. of weeks: 15
WEEK	DATE/CLASS DAY	PERIODS AVAILABLE	TOPIC TO BE COVER
1st	01.08.2023	3	Briefing about syllabus and Introduction ,How To Make Lab,Record , Observation , Safety ,Lab Manual ,Notes Etc.
	03.08.2023		Explanation about building materials
2nd	08.08.2023	3	<u>Chapter-1: Material Testing Laboratory</u> Determination of Young's Modulus of steel in a tensile testing machine.
	10.08.2023	3	Determination of fineness of Cement by sieving
3rd	17.08.2023	3	Determination of normal Consistency Of Cement
	<b>22.08.2023</b>	<b>3</b>	<b>RECORD SUBMISSION &amp; CHECK</b>
	24.08.2023	3	Determination of initial and final setting time of Cement
4th	29.08.2023	3	Determination of soundness of Cement by Le-Chatelier apparatus.
	05.09.2023	3	Determination of Compressive Strength of cement
	<b>07.09.2023</b>	<b>3</b>	<b>RECORD SUBMISSION &amp; CHECK</b>
5th	12.09.2023	3	Determination of Compressive Strength of Burnt clay, Fly Ash Bricks and Blocks.
	14.09.2023	3	Grading of Fine & Coarse aggregate by sieving for concrete
6th	21.09.2023	3	Determination of Specific Gravity and Bulking of sand.
7th	26.09.2023	3	Determination of Specific Gravity and Bulk density of coarse aggregate
	28.09.2023	3	<b>RECORD SUBMISSION &amp; CHECK</b>
	03.10.2023	3	Grading of Road Aggregates.
8th	05.10.2023	3	Determination of Flakiness, Elongation of Road aggregates
9th	10.10.2023	3	Determination of Crushing Value Test of aggregates.
10 <sup>th</sup>	17.10.2023	3	Los-Angeles Abrasion Test of aggregate
	19.10.2023	3	Impact test of aggregate.
11th	02.11.2023	3	Determination of soundness test of road aggregates.
	<b>07.11.2023</b>	<b>3</b>	<b>RECORD SUBMISSION &amp; CHECK</b>
12th	09.11.2023	3	<u>Chapter-2: Concrete Laboratory</u> Determination of Compressive Strength of concrete cubes.
	14.11.2023	3	Determination of Workability of concrete by Slump Cone method.
13th	16.11.2023	3	Determination of Workability of concrete by Compaction Factor method.
	21.11.2023	3	Non Destructive tests on Concrete Demonstration on Rebound hammer.
14 <sup>th</sup>	23.11.2023	3	Non Destructive tests on Concrete Ultrasonic Pulse Velocity measuring Instrument.
	28.11.2023	3	<b>Record Submission</b>
	<b>30.11.2023</b>	<b>3</b>	<b>SESSIONAL EXAM</b>
	<b>TOTAL</b>	<b>84</b>	

  
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 OSME Keonjhar.

  
 Principal,  
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