

DISCIPLINE: CIVIL	SEMESTER: 3RD	NAME OF THE TEACHING FACULTY: Ms. <i>Prashna Pallabika Gormaik</i>
SUBJECT NAME: CIVIL ENGG. LAB-I	No. of Days per Week Class Allotted: 4 days	Semester From Date: 01/08/2023 To Date: 30/11/2023 No of Weeks :18
August 1st Week	1st week- (1st,2nd, day)	Material Testing Laboratory: 1. Test on Steel Determination of Young's Modulus of steel in a tensile testing machine.
August 2nd Week 3rd Week 4th Week September 1st Week 2nd Week 3rd Week 4th Week October 1st Week 2nd Week	2nd week- (1st,2nd, day) 3rd week- (1st,2nd, day) 4th week- (1st,2nd, day) 1st week- (1st,2nd, day) 2nd week- (1st,2nd, day) 3rd week- (1st,2nd, day) 4th week- (1st,2nd, day) 1st week- (1st,2nd, day) 2nd week- (1st,2nd, day)	2. Tests on Cement, Sands, Bricks, Blocks & Aggregates 2.1 Determination of fineness of Cement by sieving. 2.2 Determination of normal Consistency, initial and final setting time of Cement 2.3 Determination of soundness of Cement by Le-Chatelier apparatus. 2.4 Determination of Compressive Strength of cement. 2.5 Determination of Compressive Strength of Burnt clay, Fly Ash Bricks and Blocks. 2.6 Grading of Fine & Coarse aggregate by sieving for concrete . 2.7 Determination of Specific Gravity and Bulking of sand. 2.8 Determination of Specific Gravity and Bulk density of coarse aggregate. 2.9 Grading of Road Aggregates. 2.10 Determination of Flakiness, Elongation of Road aggregates. 2.11 Determination of Crushing Value Test of aggregates. 2.12 Los-Angeles Abrasion Test of aggregate. 2.13 Impact test of aggregate. 2.14 Determination of soundness test of road aggregates
October 3rd Week November 1st week 2nd week 3rd Week 4th Week	3rd week- (1st,2nd, day) 1st week- (1st,2nd, day) 2nd week- (1st, 2nd, day) 3rd week- (1st, 2nd, day) 4th week- (1st, 2nd day)	Concrete Laboratory 3.1 Determination of Compressive Strength of concrete cubes. 3.2 Determination of Workability of concrete by: a) Slump Cone method, b) Compaction Factor method. 3.3 Non Destructive tests on Concrete: a) Demonstration on Rebound hammer b) Ultrasonic Pulse Velocity measuring Instrument.

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31/08/23