



Department of Civil Engineering	LP: CE18611 Rev. No: 00
B.E/B.Tech/M.E/M.Tech : : <u>Civil Engineering</u> Regulation: 2018	Date:
PG Specialisation :NA	01/03/2022
Sub. Code / Sub. Name : CE 18611 / Concrete and Highway Engineering Laboratory	

Session No*	List of Experiments
Cycle I	
1	Slump cone test
2	Flow Table
3	Compaction Factor
4	Yee bee Test
5	Flakiness and Elongation Indices.
6	Impact Value of aggregates and ductility of bitumen
7	Specific gravity and Water absorption of aggregates
8	Crushing strength of aggregates and penetration test
Cycle II	
9	Abrasion Value test & Softening point
10	Compressive Strength – cube & Split tensile strength of concrete.
11	Modulus of Elasticity and Gradation of Aggregates
12	Flexure test and Flash and fire point test
13	Viscosity & Determination of binder content
14	Density and Specific Gravity
15	Marshall stability and flow values
Content beyond syllabus (if any):	
1) Specific gravity of bitumen.	
2) Rebound hammer Test	

* Session Duration: 150 minutes



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	Prepared by	Approved by
Signature		
Name	Dr.M.Selva Kumar & Dr.R.Sathia	Dr. R. Kumutha
Designation	Associate Professor	Professor & Head
Date	01.03.2022	01/03/2022
Remarks* :		
Remarks* :		

* If the same lab plan is followed in the subsequent semester/year it should be mentioned and signed by the Faculty and the HOD