

DISCIPLINE: CIVIL ENGINEERING	SEMESTER: III	NAME OF THE TEACHING FACULTY: SHAKTI SAMANTA SAHU
SUBJECT: TRANSPORTATION ENGINEERING LAB	NO. OF DAYS/PER WEEK CLAS ALLOTTED: 04 HOURS	NO. OF WEEKS: 18
Week No.	Day	Topics
1	1	Flakiness and Elongation Index of aggregates.
	2	
2	1	Determination of Crushing strength, of Aggregates
	2	
3	1	Determination of Impact of Aggregates
	2	
4	1	Determination of Abrasion value of Aggregates
	2	
5	1	Determination of Abrasion value of Aggregates
	2	
6	1	Record Submission and ViVa-Voce Question Discussion
	2	
7	1	Softening point test of bitumen.
	2	
8	1	Penetration test of bitumen.
	2	
9	1	Flash and Fire Point test of bitumen.
	2	
10	1	Ductility test of Bitumen.
	2	
11	1	Record Submission and ViVa-Voce Question Discussion
	2	
12	1	Determination of Viscosity of bitumen
	2	
13	1	Determination of bitumen content using centrifuging extractor.
	2	
14	1	Determination of stability and flow of bitumen using Marshal stabil
	2	
15	1	Visit the constructed road for visual inspection to identify defects and suggest remedial measures.
	2	
16	1	Record Submission and ViVa-Voce Question Discussion
	2	
17	1	Visit the road of any one type (flexible or rigid) to know the drainage
	2	
18	1	CBR Test of aggregates
	2	

CONCERNED FACULTY

Shakti
11/07/25

HOD/CIVIL ENGG.

Sudha
11/07/25