

B-Tech Third Year Civil		
Subject: Transportation Engineering		
SR NO.	NAME OF EXPERIMENT	LINKS
A	Test on Bitumen	
	1. Penetration test	https://ts-nitk.vlabs.ac.in/exp/penetration-test/
	2. Ductility of Bitumen	https://ts-nitk.vlabs.ac.in/exp/ductility-test/
	3. Softening point of Bitumen	https://ts-nitk.vlabs.ac.in/exp/softening-point-test/
	5. Specific gravity of Bitumen	https://virtual-labs.github.io/exp-specific-gravity-test-nitk/
B	Tests on Aggregates	
	1. Crushing test	https://ts-nitk.vlabs.ac.in/exp/crushing-value/
	2. Abrasion test	https://ts-nitk.vlabs.ac.in/exp/los-angeles-abrasion/
	3. Impact test	https://ts-nitk.vlabs.ac.in/exp/impact-test/
	4. CBR test	https://ts-nitk.vlabs.ac.in/exp/california-bearing-ratio-test/

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1	Physical / Index Property Tests on Soils	
	a. Determination of water content by various methods	https://smfe-iiith.vlabs.ac.in/exp/water-content/
	b. Determination of the particle size distribution for a given soil	https://smfe-iiith.vlabs.ac.in/exp/grain-size-distribution/
	c. Determination of specific gravity by pycnometer method	https://smfe-iiith.vlabs.ac.in/exp/specific-gravity/
	d. Determination of liquid limit , plastic limit and shrinkage limit	https://smfe-iiith.vlabs.ac.in/exp/atterberg-limits/
	e. Determination of field dry density by core cutter method, sand replacement method and clod method	https://smfe-iiith.vlabs.ac.in/exp/unit-weight/
2	Engineering Property Tests on Soils	
	a. Determination of compaction characteristics of soils by Standard & Modified Proctor's test	https://smfe-iiith.vlabs.ac.in/exp/compaction-test/
	b. Determination of co-efficient of permeability by constant head and falling head permeability test.	https://smfe-iiith.vlabs.ac.in/exp/permeability/
	c. Determination of shear strength parameters of soil by direct shear test	https://smfe-iiith.vlabs.ac.in/exp/direct-shear-test/

	d. Determination of shear strength parameters of soil by triaxial test	https://smfe-iiith.vlabs.ac.in/exp/triaxial-test/
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