

Maulana Abul Kalam Azad University of Technology, West Bengal*(Formerly West Bengal University of Technology)***Syllabus for B. Tech in Civil Engineering**

(Applicable from the academic session 2018-2019)

CE(PC)596	Transportation Engineering Laboratory	2P	1 Credits
Prerequisite	Transportation Engineering (CE(PC)506)		
Introduction	Introduction on pavement construction materials		
Experiment 1	Shape test of aggregate		
Experiment 2	Crushing Strength Test of aggregate		
Experiment 3	Impact test of aggregate		
Experiment 4	Los Angeles Abrasion test of aggregate		
Experiment 5	Specific Gravity and Water Absorption test of aggregate		
Experiment 6	Specific Gravity test		
Experiment 7	Penetration test		
Experiment 8	Static or Kinematic viscosity		
Experiment 9	Softening point test		
Experiment 10	Flash and Fire Point test		
Experiment 11	Ductility test		
Experiment 12	CBR value of sub-grade (Soaked and unsoaked)		
Experiment 13	Marshall Stability test		
Demonstration	Demonstration on Stripping value and Loss on heating tests of bitumen, Benkelman Beam and Bump Integrator test.		