

**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)

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