

Soil Mechanics Lab (PC/CE/7-P)			
Week	Practical		
	Day	Topics / Experiments	Date
1 <sup>st</sup>	1	Visual Soil Classification and water content determination.	
	2	Visual Soil Classification and water content determination.	
2 <sup>nd</sup>	3	Determination of specific gravity of soil solids.	
	4	Determination of specific gravity of soil solids.	
3 <sup>rd</sup>	5	Grain size analysis-sieve analysis.	
	6	Grain size analysis-sieve analysis.	
4 <sup>th</sup>	7	Liquid limit and plastic limit determination	
	8	Liquid limit and plastic limit determination	
5 <sup>th</sup>	9	Field density by: Sand replacement method	
	10	Field density by: Sand replacement method	
6 <sup>th</sup>	11	Field density by: Core cutter method	
	12	Field density by: Core cutter method	
7 <sup>th</sup>		<b>MINOR TEST I</b>	
8 <sup>th</sup>	13	<b>VIVA – VOCE</b>	
9 <sup>th</sup>	14	Proctor's compaction test.	
	15	Proctor's compaction test.	
10 <sup>th</sup>	16	Coefficient of permeability of soils.	
	17	Coefficient of permeability of soils.	
11 <sup>th</sup>	18	Unconfined compressive strength test.	
	19	Unconfined compressive strength test.	
12 <sup>th</sup>	20	Direct shear test on granular soil sample.	
	21	Direct shear test on granular soil sample.	
13 <sup>th</sup>	22	Unconsolidated undrained (UU) triaxial shear test of fine grained soil sample.	
	23	Unconsolidated undrained (UU) triaxial shear test of fine grained soil sample.	
14 <sup>th</sup>		<b>MINOR TEST II</b>	
15 <sup>th</sup>	24	<b>VIVA – VOCE</b>	