Lesson Plan/ Course Break – up

ESC/7-P Civil Engg. Materials Testing & Evaluation –I Lab

Discipline	B.Tech in Civil Engineering
Semester	5TH SEM(3RD YEAR)
Subject	Civil Engg. Materials Testing & Evaluation –I Lab
Lesson Plan Duration	15 Weeks
Work Load (Lecture / Practical) per week (in hrs.)	Lectures – 02

Week	Practical Name
1ST	To determine the grain size distribution of soil by hydrometer method
2ND	To determine the shrinkage limit, shrinkage ratio, shrinkage index and volumetric shrinkage of soils
3RD	To determine the relative density (density index) of cohesionless soil
4TH	To determine the shear strength of soil by using Triaxial shear apparatus
5TH	To perform consolidated undrained Triaxial test with Pore water pressure measurement.
6TH	To perform consolidated undrained Triaxial test with Pore water pressure measurement.
7TH	VIVA VOCE-I
8TH	To determine the consolidation properties of soil
9TH	To determine the consolidation properties of soil
10TH	To perform the undisturbed Sampling of soils
11TH	To perform the Standard Penetration test.
12TH	To perform the Standard Penetration test.
13TH	To perform the Dynamic Cone Penetration Test.
14TH	VIVA VOCE-II
15TH	To perform the Dynamic Cone Penetration Test.