

B.Tech III Year II Semester

Course Structure

L	T	P	C
0	0	3	1.5

GEOTECHNICAL ENGINEERING LAB

Internal Marks:40

Course code: P18CEL08

External marks:60

LIST OF EXPERIMENTS

1. Determination of specific gravity
2. Gradation analysis by Sieve analysis
3. Gradation analysis by Hydrometer analysis.
4. Field density-Core cutter and Sand replacement methods
5. Determination of Atterberg limits
6. Differential free swell (DFS)
7. Permeability by Constant head permeability method
8. Permeability by Variable head permeability method
9. Direct shear test
10. Vane shear test
11. IS - Light compaction test
12. IS - Heavy compaction test
13. Consolidation test (to be demonstrated).
14. Triaxial Compression test (UU Test)
15. Unconfined Compression test
16. CBR Test

Note: Any 15 Experiments must be completed.

