

SIR C.R.REDDY COLLEGE OF ENGINEERING, ELURU

DEPARTMENT OF CIVIL ENGINEERING

III Year First Semester, Academic Year 2018-19

I -Assignment

Subject: CE-3104 Geotechnical Engineering-I, Mr. N.S.Poorna Chandra Rao

Batches 1 to 8

1. Explain the complexity of soil nature over the other construction materials.
2. Collect the soil sample from your home at a depth of 1.5m from the ground level and classify it.
3. Write about the different Indian standard codes used in Geotechnical Engineering.
4. Collect the foundation details of your home from the elders and justify the suitability of the foundation.
5. Explain the role of earth in the construction of various Civil Engineering structures.
6. Write about Karl Von Terzaghi and his contributions to the field of Geotechnical Engineering.
7. What is a foundation? Explain different types of foundations with a case study for each.
8. Explain Geotechnical Engineering and its role in various fields of Civil Engineering.
