

GEOTECHNICAL ENGINEERING

Assignment No: 1

1. Describe in detail: Soil Formation in Geological cycle.
2. Explain: Chemical weathering.
3. Explain: Physical weathering.
4. Write Assumptions for drawing phase diagram.
5. Explain in detail with neat sketches: Three phase diagram of soil.
6. Define following terms: 1. Water content of soil, 2. Bulk unit weight, 3. Specific Gravity, 4. Void ratio, 5. Density Index.
7. Derive an Expression: $e = \frac{wG}{S_r}$
8. What is Particle size Distribution of soil?
9. What do you mean by Consistency limits?
10. What are the basic requirements of Soil Classification?

AMIRAJ
COLLEGE OF ENGINEERING & TECHNOLOGY

