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**Geo-environmental Engineering (GCE-05)**

**Tutorial Assignment Sheet**  
**(Session 2018-19)**

**Unit-1**

1. Explain the importance and scope of geo-environmental engineering.
2. Discuss the multiphase behavior of soil. With suitable examples.
3. Why soil becomes important in geo-environmental engineering?
4. Discuss the multidisciplinary nature of geo-environmental engineering.
5. What are the different components of soil-water potential?
6. Compare saturated and unsaturated state of soil.
7. Explain important features of water retention curve.
8. Discuss soil-water diffusivity.
9. What is the difference between retardation and retention of contaminants?
10. Explain the significance of soil capillary behavior in waste management?