Assignment 0

The due date for submitting this assignment has passed. Any late submissions will not be accepted.

Due on 2020-01-27, 23:59 IST.

1. A soil with a natural state void ratio of 0.8, water content is 25%, and O < 12%, the degree of saturation is 70%.
   - a) 0.4
   - b) 0.68
   - c) 0.8
   - d) 1
   No, the answer is incorrect. Score: 0
   Answered correctly: No
   1 point

2. If the void ratio is to be desired state, then the relative density of sand is closer to 0.80:
   - a) 90%
   - b) 150%
   - c) 60%
   - d) b) or c) 100%
   No, the answer is incorrect. Score: 0
   Answered correctly: No
   1 point

3. The water content of a soil which represents boundary between plastic state and liquid state is known as:
   - a) Liquidity Limit
   - b) Plasticity Limit
   - c) Shrinkage limit
   - d) Plasticity index
   No, the answer is incorrect. Score: 0
   Answered correctly: No
   1 point

4. A test having 100% of one way equal to 0.95 is known as:
   - a) Uniformly graded
   - b) Well graded
   - c) Poor graded
   - d) None of the above
   No, the answer is incorrect. Score: 0
   Answered correctly: No
   1 point

5. The stress of saturated earth pressure (da/kN/m²) at a depth of 2 m is calculated by using the angle of internal resistance of 25° and unit weight of 12.9 kN/m³:
   - a) 06.9
   - b) 06.3
   - c) 05.3
   - d) 05.1
   No, the answer is incorrect. Score: 0
   Answered correctly: No
   1 point

6. A sample of saturated cohesionless soil tested in a drained triaxial compression test showed an angle of internal friction of 30°. The deviator stress, if 0.3 kN/m², for the sample at a confining pressure of 200 kN/m² is equal to:
   - a) 520
   - b) 480
   - c) 660
   - d) 400
   No, the answer is incorrect. Score: 0
   Answered correctly: No
   1 point

7. If the volume of solids is equal to the volume of voids in a soil mass, then the values of porosity and void ratio respectively are:
   - a) 0.5 and 1
   - b) 1 and 0
   - c) 0.5 and 0
   - d) 1 and 1
   No, the answer is incorrect. Score: 0
   Answered correctly: No
   1 point

8. The time required for 50% consolidation of a sample of clay with single drainage is 24 hours, then the time required to consolidate the same sample of clay with double drainage is:
   - a) 6 hours
   - b) 12 hours
   - c) 24 hours
   - d) More
   No, the answer is incorrect. Score: 0
   Answered correctly: No
   1 point