

## QUIZ NO: 577

### TOPIC: GEOTECHNICAL ENGINEERING

DATE: 07/04/2022

1. If the porosity of soil is 0.5, then its void ratio is

- [A] 0.5
- [B] 1
- [C] 1.5
- [D] 0.3

**Answer: B**

2. Dry sand is an example of

- [A] Cohesive soil
- [B]  $C - \phi$  soil
- [C] Cohesionless soil
- [D] None of the above

**Answer: C**

**3. Ratio of volume of air voids to total volume of voids is**

- [A] Void ratio
- [B] Porosity
- [C] Alkalinity
- [D] Air content

**Answer: D**

**4. Which of the following is a measure of particle size range?**

- [A] Effective size
- [B] Uniformity coefficient
- [C] Coefficient of curvature
- [D] None of these

**Answer: B**

**5. Relative density of a compacted dense sand is approximately equal to**

- [A] 0.4
- [B] 0.95
- [C] 0.50
- [D] 1.10

**Answer: B**

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**6. Soil is dried beyond its shrinkage limit, it will show**

- [A] Large volume change
- [B] No volume changes
- [C] Low volume change
- [D] Moderate volume change

**Answer: B**

**7. Which of the following is an engineering property of soil?**

- [A] Porosity
- [B] Void ratio
- [C] Permeability
- [D] Field density

**Answer: C**

**8. The numerical difference between liquid limit and plastic limit is**

- [A] Liquidity index
- [B] Plasticity index
- [C] Consistency index
- [D] Flow index

**Answer: B**

9. A soil is described by GP, then the soil is

- [A] Silty soil
- [B] Inorganic soil
- [C] Poorly graded gravel
- [D] Low plasticity organic silt

**Answer: C**

10. Plasticity chart was developed by

- [A] Terzaghi
- [B] Rankine
- [C] Darcy
- [D] Cassagrande

**Answer: D**

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