QUIZ NO: 509

TOPIC: GEOTECHNICAL ENGINEERING

DATE: 23/10/2021

1. **Loam means:**

   [A] Sandy clay with a little silt

   [B] Silty clay with a little sand

   [C] Sand, silt and clay in nearby equal proportion

   [D] Silty sand with a little clay

   Answer: C

2. **Mode of transportation for alluvial soils is generally:**

   [A] Wind

   [B] Ice

   [C] Water

   [D] Gravity

   Answer: C

3. **For proper field control, which one of the following is best suited for quick determination of water content of a soil mass:**

   [A] Oven drying method

   [B] Sand bath method

   [C] Alcohol method

   [D] Calcium carbide method

   Answer: D

4. **Particles of 0.002 mm size are of:**

   [A] Sand

   [B] Gravel

   [C] Clay

   [D] None of these

   Answer: C

5. **Which one of the following gives the correct decreasing order of the densities of all sample:**

   [A] Saturated, Submerged, wet, dry

   [B] Saturated, wet, submerged, dry

   [C] Saturated, wet, dry, submerged

   [D] Wet, saturated, submerged, dry

   Answer: C

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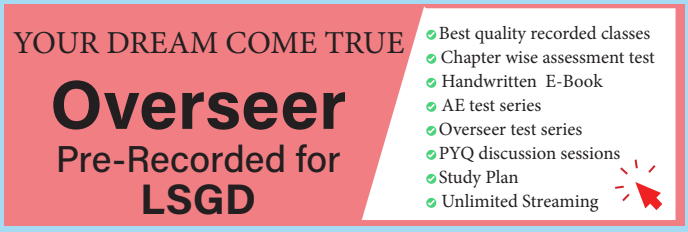

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6. **The plasticity index is equal to:**

[A] Liquid limit – Shrinkage limit

[B] Liquid limit – Plastic limit

[C] Plastic limit – Liquid limit

[D] Plastic limit – Shrinkage limit

Answer: B

7. **Grading curve is drawn from the test data of:**

[A] Liquid limit test

[B] Sieve analysis

[C] Compaction test

[D] Shear box test

Answer: B

8. **Which of the following method is best suited for the determination of permeability of coarse grained soils:**

[A] Constant head method

[B] Falling head method

[C] Both of the above

[D] None of these

Answer: A

9. The total pressure in a soil mass consists of _____ distinct components

[A] 3

[B] 4

[C] 2

[D] 5

Answer: C

10. Flow lines and equipotential lines meet each other at an angle of:

[A] 30 degree

[B] 60 degree

[C] 90 degree

[D] 120 degree

Answer: C

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