

QUIZ NO: 311

TOPIC: GEOTECHNICAL ENGG

DATE: 7/07/2020

1. What is diameter of the sieve that is used for finding the liquid limit ?

[A] 250 microns

[B] 425 microns

[C] 475 microns

[D] 200 microns

Answer : B

2. Soil is said to be low plasticity if the plasticity index is ?

[A] Less than 7

[B] Between 7 and 17

[C] Greater than 17

[D] Greater than 27

Answer : A

3. Footing which covers the entire area beneath a structure and supports the walls and column ?

- [A] Strip footing
- [B] Raft foundation
- [C] Mat foundation
- [D] Both b and c

Answer : D

4. Type of soil structure where coarse grained remain embedded in a large mass of cohesive fine grains ?

- [A] Flocculent
- [B] Dispersed
- [C] Cohesive matrix
- [D] Honey comb

Answer : C

5. Piles which resist horizontal force or inclined force due to berthing of ships ?

- [A] Friction piles
- [B] Compaction piles
- [C] Fender piles
- [D] Batter piles

Answer : D

6. The clay mineral which behaves high swelling characteristics of black cotton soil ?

- [A] Kaolinite
- [B] Illite
- [C] Montmorillonite
- [D] None of the above

Answer : C

7. At shrinkage limit, the soil is ?

- [A] Dry
- [B] Partially saturated

[C] Saturated

[D] None of above

Answer : C

8. The notation “SC” as per Indian standard Soil Classification System refers to ?

[A] Clayey silt

[B] Sandy clay

[C] Clayey sand

[D] Silty clay

Answer : C

9. An example of colluvial soil ?.

[A] Loess

[B] Talus

[C] Marl

[D] Drift

Answer : B

10. Dispersing agent correction in hydrometer analysis ?

- [A] Zero
- [B] Positive
- [C] Negative
- [D] None of the above

Answer : C

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