

QUIZ NO: 444

TOPIC: GEOTECHNICAL ENGG

DATE: 20/05/2021

1. Which of the below is the most commonly used shallow foundation?

- [1] Strap footing
- [2] Spread footing
- [3] Combined footing
- [4] Raft footing

Answer : B

2. Which of the following formula is used in Falling head permeability test?

- [1] Jacky's formula
- [2] Louden's formula
- [3] Darcy's law
- [4] Kozney's formula

Answer : C

3. According to Indian standard method, the loading of the plate should be borne with either by _____?

- [1] Gravity loading platform and Reaction truss
- [2] Concrete blocks
- [3] None of the mentioned
- [4] All of the mentioned

Answer : A

4. The downward drag acting on a pile due to the movement of the surrounding is called _____?

- [1] Skin friction
- [2] Negative skin friction
- [3] Frictional force
- [4] None of the mentioned

Answer : B

5. Stiff clays are _____ permeable?

- [1] most
- [2] Least
- [3] Partially
- [4] None of the mentioned

Answer : B

6. The observed value of N in static cone penetration test is corrected by _____?

- [1] Overburden and Dilatancy /submergence
- [2] Effective pressure
- [3] None of the mentioned
- [4] All of the mentioned

Answer : A

7. Which of the following stages are involved in the construction of under reamed piles?

- [1] Concreting of piles and Boring by auger
- [2] Concreting the funnel
- [3] None of the mentioned
- [4] All of the mentioned

Answer : A

8. The unconfined compression test is generally applicable to _____?

- [1] Unsaturated clay
- [2] Saturated clay
- [3] Fine grained soil
- [4] Coarse grained soil

Answer : B

9. Permissible settlement is maximum in case of?

- [1] Isolated footing on clay
- [2] Raft foundation on clay
- [3] Raft foundation on sand
- [4] Isolated footing on sand

Answer : B

10. The friction circle may be also referred as _____?

- [1] ϕ -circle
- [2] Plane circle
- [3] Cohesion circle
- [4] All of the mentioned

Answer : A

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