Assignment 1

1) For an undisturbed sample, the area ratio of the samples should be
- zero
- 10% or less
- 10% to 20%
- more than 20%

Accepted Answers:
- 10% or less

2) Auger boring is used in __________ type of soil
- Cohesionless soil
- Cohesive soil
- Coarse-grained soil
- Pervious soil

Accepted Answers:
- Cohesive soil

3) Which of the following method is adopted for fast boring?
- Cylindrical augers
- Percussion boring
- Rotary boring
- Wash boring

Accepted Answers:
- Wash boring

4) Auger boring is most suitable for __________ type of work.
- Air field pavement
- Highway exploration
- Dam construction
Accepted Answers: **Highway exploration**

5) Wash boring cannot be used for ______ type of soil strata. **1 point**

- Cohesive soil
- Cohesionless soil
- Boulder
- All of the mentioned

Accepted Answers: **Boulder**

6) The type of boring method that can be used for both rock and soils are________ **1 point**

- Shell boring
- Wash boring
- Auger boring
- Rotary boring

Accepted Answers: **Rotary boring**

7) The plate load test consists in loading a rigid plate at the________ **1 point**

- Base of the footing
- Bottom of the construction
- Foundation level
- All of the mentioned

Accepted Answers: **Foundation level**

8) The size of bearing plate, which used in plate load test varies from__________ **1 point**

- 300 to 750 mm
- 25 to 100 mm
- 100 to 300 mm
- 25 to 300 mm

Accepted Answers: **300 to 750 mm**

9) The values derived from penetration tests can be used for finding__________ **1 point**

- Depth of hard stratum and Strength of soil
- Soil saturation
- None of the mentioned
- All of the mentioned

Accepted Answers:
10) The observed value of $N$ in static cone penetration test is corrected by__________ 1 point

- Overburden and Dilatancy/submergence
- Effective pressure
- None of the mentioned
- All of the mentioned

**Accepted Answers:**
Overburden and Dilatancy/submergence

11) The split tube used in static cone penetration test, is commonly known as__________ 1 point

- Split spoon sampler
- Split tube sampler
- Tube sampler
- All of the mentioned

**Accepted Answers:**
Split spoon sampler

12) The total blow required for the second and third 15 cm of penetration in standard penetration test is taken as__________ 1 point

- Seating drive
- Penetration resistance
- Overburden pressure
- Dilatancy/submergence

**Accepted Answers:**
Seating drive
Assignment 1

1. (b)
2. (b)
3. (d)
4. (b)
5. (c)
6. (d)
7. (c)
8. (a)
9. (a)
10. (a)
11. (a)
12. (a)