

**QUIZ NO: 320**

**TOPIC: GEOTECHNICAL ENGG**

**DATE: 28/07/2020**

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

- [1] 250 microns
- [2] 425 microns
- [3] 475 microns
- [4] 200 microns

**Answer : B**

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

- [1] Less than 7
- [2] Between 7 and 17
- [3] Greater than 17
- [4] Greater than 27

**Answer : A**

3. The activity of the montmorillonite mineral is ?

- [1] Less than 0.75
- [2] Between 0.75 to 1.25
- [3] Between 1.25 to 4
- [4] Greater than 4

**Answer : D**

4. Critical gradient of soil increases with?

- [1] Decrease in void ratio
- [2] Increase in void ratio
- [3] Decrease in specific gravity
- [4] Both b and c

**Answer : A**

5. Compaction using vibratory roller is the method of compaction of ?

- [1] Clay
- [2] Silt
- [3] Silty sand
- [4] Well graded dry sand

**Answer : D**

6. Cohesion less soils are formed due to ?

- [1] Oxidation
- [2] Carbonation
- [3] Hydrolysis
- [4] Abrasion

**Answer: D**

7. An example of colluvial soil ?.

[1] Loess

[2] Talus

[3] Marl

[4] Drift

**Answer : B**

8. Dispersing agent correction in hydrometer analysis ?

[1] Zero

[2] Positive

[3] Negative

[4] None of the above

**Answer : C**

9. New mark's influence chart can be used for the determination of vertical stress under ?

- [1] Circular load area only
- [2] Rectangular loaded only
- [3] Any shape of loaded area
- [4] Strip load only

**Answer : C**

10. Westergaard analysis is used for ?

- [1] homogeneous soils
- [2] cohesive soils
- [3] sandy soils
- [4] stratified soils

**Answer : D**

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