Assignment-5
Due on 2019-09-04, 23:59 IST.

1. Addition of sodium form in concrete leads to ____________
   - Increased hydration
   - Reduced plasticity activity
   - Reduced porosity
   - None of the above
   - The answer is incorrect.
   - Assumed Answer: None of the above
   - 2 points
   - 2 points

2. The purpose of the addition of fly ash in soil stabilization is to reduce swelling pressures.
   - True
   - False
   - The answer is incorrect.
   - Assumed Answer: False
   - 1 point
   - 1 point

3. Increase in the plasticity of soil leads to better compaction.
   - True
   - False
   - The answer is incorrect.
   - Assumed Answer: False
   - 1 point
   - 1 point

4. Mixing of sodium with equal quantity______________
   - Increases thermal resistance
   - Increases shrinkage
   - Both a and b
   - Reduces thermal resistance
   - None of the above
   - The answer is incorrect.
   - Assumed Answer: None of the above
   - 1 point
   - 1 point

5. Increase in the carbon content in fly ash ____________ its water affinity.
   - Increases
   - Decreases
   - Doesn’t depend
   - None of the above
   - The answer is incorrect.
   - Assumed Answer: None of the above
   - 1 point
   - 1 point

6. Density of cement is given in terms of ________
   - True
   - False
   - None of the answer is correct
   - Assumed Answer: None of the answer is correct
   - 1 point
   - 1 point

7. Which of the following soil types is least compactable?
   - Clayey sandy loam
   - Well graded sandy loam
   - Uniformly graded sands
   - Nearly graded pebbles with sand
   - None of the above
   - The answer is incorrect.
   - Assumed Answer: None of the above
   - 1 point
   - 1 point

8. Why are silts preferred in civil engineering?
   - Uniformly graded sands
   - Assumed Answer: Uniformly graded sands
   - 1 point
   - 1 point

9. Does the moisture content of the mineral depend on its crystallinity?
   - Yes
   - No
   - None of the answer is correct
   - Assumed Answer: None of the answer is correct
   - 1 point
   - 1 point

10. Which of the following methods are not used in the particle size analysis?
    - Laser particle sorting
    - X-ray diffraction
    - None of the above
    - Assumed Answer: None of the above
    - 1 point
    - 1 point

11. Which of the following methods are commonly used for determination of the specific surface area of cement?
    - Blaine’s air permeability method
    - BET nitrogen adsorption
    - Modified Blaine (S.A.) dye method
    - None of the above
    - Assumed Answer: Blaine’s air permeability method
    - 1 point
    - 1 point

12. Which is the following method?
    - None of the above
    - Assumed Answer: None of the above
    - 2 points