Assignment 2

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment.

1. A cement paste prepared with 300 gm of cement has a water cement ratio (W/C) of 0.4. What is the capillary porosity at the end of one year assuming that maximum hydration has taken place.
   - 0
   - 0.25
   - 0.5
   - 0.75
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   0

2. A cement paste was prepared with 200 gm of cement and a water cement ratio of 0.25. Calculate the volume of gel pores at the end of one year assuming that maximum hydration has taken place in one year:
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   Type: Range [25,38]

3. Choose the correct Match of the following properties of cement with the apparatus used for their testing.
<table>
<thead>
<tr>
<th>Property</th>
<th>Apparatus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard consistency</td>
<td>Le Chatelier Flask</td>
</tr>
<tr>
<td>Soundness test</td>
<td>Le Chatelier Apparatus</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>Vicat’s Apparatus</td>
</tr>
</tbody>
</table>
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   1-ii, 2-iii, 3-i

4. What is the cement to sand ratio for testing of mortar cubes for strength?
   - 1:1
   - 1:2
   - 1:3
   - 1:4
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   1:3

5. Which of the following is not a supplementary cementitious material for cement?
   - Fly Ash
   - Sand
   - Slag
   - Silica fume
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   Sand

6. If the mean size is 8 mm, what size particles will be considered as flaky?
   - Having thickness less than 4.8 mm
   - Having thickness more than 4.8 mm
   - Having length more than 14.4 mm
   - Having length less than 14.4 mm
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   Having thickness less than 4.8 mm

7. Which of the following represents true relation between void content and angularity factor?
   - Void content is unrelated to angularity factor
   - Void content decreases with increase in angularity factor
   - Void content increases with increase in angularity factor
   - None of the above
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   Void content increases with increase in angularity factor