Assignment 2

Due on 2021-02-07, 20:59 IST.

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

General instructions:
The assignment contains 10 questions, each carrying 10 marks.
1. In the context of the question, the assignment will be considered as the examination of knowledge.

Statement 1: A deposit is formed primarily by the river water contact.
Statement 2: An igneous rock is formed by the ocean water contact.

Choose the best alternative among the following:

Both the statements are TRUE.
Both the statements are FALSE.
Statement 1 is TRUE and Statement 2 is FALSE.
Statement 1 is FALSE and Statement 2 is TRUE.

No. The answer is incorrect.

Accredited Answer:
Both the statements are TRUE.

3. In the context of the basin in hard rocks, consider the following statements:

Statement 1: An igneous rock is formed by the ocean water contact.
Statement 2: The river water contact forms the granitic rocks.

Choose the best alternative among the following:

Both the statements are TRUE.
Both the statements are FALSE.
Statement 1 is TRUE and Statement 2 is FALSE.
Statement 1 is FALSE and Statement 2 is TRUE.

No. The answer is incorrect.

Accredited Answer:
Both the statements are TRUE.

4. In the context of the basin in hard rocks, consider the following statements:

Statement 1: If the amount of concrete needs to be increased the sand to cement ratio needs to be increased.
Statement 2: The water to cement ratio needs to be increased to fill the voids in concrete.

Choose the best alternative among the following:

Both the statements are TRUE.
Both the statements are FALSE.
Statement 1 is TRUE and Statement 2 is FALSE.
Statement 1 is FALSE and Statement 2 is TRUE.

No. The answer is incorrect.

Accredited Answer:
Both the statements are TRUE.

5. Questions 5 to 8 are based on the following description.

Consider the details of the constitutions in three mines given in the following table. The study is being carried out to determine if an industrial product OP can be successfully used in concrete. All values are given in kg/m³.

<table>
<thead>
<tr>
<th>Mine</th>
<th>LOI</th>
<th>Water Content</th>
<th>Sand</th>
<th>Cement</th>
<th>OP</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>5</td>
<td>10</td>
<td>20</td>
<td>3</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td>10</td>
<td>10</td>
<td>20</td>
<td>4</td>
</tr>
<tr>
<td>3</td>
<td>3</td>
<td>15</td>
<td>10</td>
<td>20</td>
<td>5</td>
</tr>
</tbody>
</table>

What is the value of x in Eq. (1) above?

Round the answer to the nearest integer.

No. The answer is incorrect.

Accredited Answer: [Your Answer] [Your Answer]

6. What is the value of y in Eq. (2) above?

Round the answer to the nearest integer.

No. The answer is incorrect.

Accredited Answer: [Your Answer] [Your Answer]

7. What is the value of z in Eq. (3) above?

Round the answer to the nearest integer.

No. The answer is incorrect.

Accredited Answer: [Your Answer] [Your Answer]

8. What is the value of t in Eq. (4) above?

Round the answer to the nearest integer.

No. The answer is incorrect.

Accredited Answer: [Your Answer] [Your Answer]