Unit 7 - Week 6 - Construction Safety Management

Assignment 6

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

General Information:
1. There are 1 question in this assignment.
2. Questions 1 to 5 are based on comprehensive information given below.
3. Questions 1 to 3 carry 2 marks each, whereas the rest of the questions carry 1 mark each.

Answer questions 1 to 5 based on the information given below.

The following table gives information about a company with details of the man-hours worked, accidents and man-days lost in a six-month period:

<table>
<thead>
<tr>
<th>Sr.No.</th>
<th>Month</th>
<th>Man Hours worked</th>
<th>Fatal Injuries</th>
<th>Lost-time injuries not leading to fatality</th>
<th>Man days lost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>January</td>
<td>1058763</td>
<td>2</td>
<td>212</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>February</td>
<td>1106681</td>
<td>1</td>
<td>109</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>March</td>
<td>1359876</td>
<td>1</td>
<td>3</td>
<td>266</td>
</tr>
<tr>
<td>4</td>
<td>April</td>
<td>908166</td>
<td>2</td>
<td>5</td>
<td>1289</td>
</tr>
<tr>
<td>5</td>
<td>May</td>
<td>1528731</td>
<td></td>
<td>2</td>
<td>189</td>
</tr>
<tr>
<td>6</td>
<td>June</td>
<td>1000803</td>
<td>4</td>
<td>1</td>
<td>678</td>
</tr>
</tbody>
</table>

1) The fatality rate of accidents for the company is:

2) The casualty rate of accidents for the company is:

3) The frequency rate of accidents for the company is:

4) In the context of construction safety, consider the following statements:
   Statement 1: The Personal Protective Equipment (PPE) is provided to the workers by the employer.
   Statement 2: The performance of a safety officer on site should be evaluated by the overall site manager.
   Which of the following is correct?
   A. Both statements are TRUE.
   B. Statement 1 is TRUE and statement 3 is FALSE.
   C. Both statements are FALSE.
   D. Statement 2 is TRUE and statement 3 is FALSE.

5) Which of the following is an ISO CODE in the context of cost of accidents at construction sites?

6) Read the following text carefully:

Work on construction of a natural draught cooling tower (diameter is 10m and height is 15m) was in full swing. The site had a slypway, which is used for vertical transportation of workers and equipment. One evening, eight workers were travelling in the slypway to start the work in the night shift. Suddenly, there was a fall in the slypway at 20th height, and it snapped and tumbled to the ground. Five workers sustained major injuries and three received minor injuries.

What is the following statement is true regarding the accident described above?

A. The accident is caused by unsafe condition.
B. The accident is caused by unsafe act.
C. The accident is caused by a combination of both (a) and (b).
D. The accident can only be attributed to reasons beyond the control of the site.

7) Read the following text carefully:

A trench is 1m wide and 3m deep is excavated, and the walls are secured with appropriate steel shoring. A worker walking on the heap of earth (that was formed from the removed earth, slipped and fell into the trench, resulting in a fractured hand.

What is the following statement is true regarding the accident described above?

A. The accident is caused by unsafe condition.
B. The accident is caused by unsafe act.
C. The accident is caused by a combination of both (a) and (b).
D. The accident can only be attributed to reasons beyond the control of the site.