Assignment 12

The due date for submitting this assignment has passed.

Due on 2021-04-14, 23:59 IST.

As per our records you have not submitted this assignment.

1) Match the following materials with their failure mechanisms

<table>
<thead>
<tr>
<th>Material</th>
<th>Failure mechanism</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glass</td>
<td>A. Corrosion</td>
</tr>
<tr>
<td>Metal</td>
<td>B. Brittle</td>
</tr>
<tr>
<td>Polymers</td>
<td>C. Yielding</td>
</tr>
</tbody>
</table>

2) Read the two statements below and choose the correct option.

- A: A piece of quartz crystal can make a scratch mark on glass.
- B: Quartz has higher hardness than glass.

Both A and B are correct, and option B is the correct explanation for A.

3) Glass envelope provides increased carpet area than a concrete façade

- True
- False

4) The typical process which the normal glass undergoes in the making of your mobile phone screen guard is

- Double glazing
- Coating
- Tempering
- Laminating

5) The processing technique during the manufacturing of mobile phone screen guard makes the glass

- Brittle
- Harder
- Stronger
- Thermal resistant

6) The type of glass which can function based on the climatic conditions is

- Double glazed glass
- Laminated glass
- Electrochromic glass
- Ceramic coated glass

7) The IS code and part which addresses the use of glass in building and the safety related to human impact is

- IS 405
- IS 2032
- IS 16021
- IS 16021-1

8) Match the following

| A. Glass fibre reinforced concrete | 1. Kevlar |
| B. Aramid fibre reinforced polymer | 2. Metallic corrosion |
| C. Steel fibre reinforced concrete | 3. Chemical degradation |

- A: A-D, B: C-2, C: D-1
- A: A-D, B: C-1, C: D-1
- A: A-D, B: C-2, C: D-1

No, the answer is incorrect.

Accepted Answers:

A: A-D, B: C-2, C: D-1