### Week 1 Assignment

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

<table>
<thead>
<tr>
<th>Question</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. The level of exposure of society to risk due to natural disasters is proportional to the probability of occurrence of them. True or False?</td>
<td>6 points</td>
</tr>
<tr>
<td>- True</td>
<td></td>
</tr>
<tr>
<td>- False</td>
<td></td>
</tr>
<tr>
<td><strong>Note:</strong> the answer is incorrect. Score: 0, Accepted Answer: False</td>
<td></td>
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</tbody>
</table>

2. Which of the following statements are not true? 8 points
   - The intensity of an earthquake is not a unique value
   - Tsunami occurs due to Transform Boundaries earthquakes
   - Liquefaction does not occur if magnitude is less than 6.0
   - Identical fossils have been found in continent due to past earthquakes.

   **Note:** the answer is incorrect. Score: 0, Accepted Answer: Identical fossils have been found in continent due to past earthquakes.

3. What are the possible seismic hazards which can occur in Bangalore in case of an earthquake? 6 points
   - Landslides
   - Ground shaking
   - Tsunami
   - Fire
   - Liquefaction

   **Note:** the answer is incorrect. Score: 0, Accepted Answer: Ground shaking

4. Rerouting of existing structures is an effective method towards earthquake preparedness. True or False? 6 points
   - True
   - False

   **Note:** the answer is incorrect. Score: 0, Accepted Answer: True

5. Which of these two scenarios is more dangerous? 6 points
   - Earthquake induced landslides
   - Landslide induced earthquake

   **Note:** the answer is incorrect. Score: 0, Accepted Answer: Earthquake induced landslide

6. Read the two statements A and B, and select the correction option. 6 points
   - The level of natural risk is low in "Healthy" countries.
   - Levels of natural risk is high in India.
   - Both A and B are correct, and B explains A.
   - Both A and B are correct, but B does not explain A.
   - A is correct, B is incorrect.
   - A is incorrect, B is correct.

   **Note:** the answer is incorrect. Score: 0, Accepted Answer: Both A and B are correct, but B does not explain A

7. The height of tsunami waves increases as it reaches shores and beaches as ______ remains constant. 6 points
   - Velocity of the wave
   - Energy flux
   - Water content
   - Wavelength

   **Note:** the answer is incorrect. Score: 0, Accepted Answer: Energy flux

8. The earthquakes occurring at ______ plate boundaries have rarely been recorded as deadly. 6 points
   - Convergent
   - Divergent
   - Transform

   **Note:** the answer is incorrect. Score: 0, Accepted Answer: Divergent

9. An earthquake with focal depth as 120 km can be classified as _______ focus earthquake. 6 points
   - Shallow
   - Intermediate
   - Deep

   **Note:** the answer is incorrect. Score: 0, Accepted Answer: Intermediate

10. The initial part of an earthquake record consists of _______ waves. 6 points
    - Shear
    - Surface
    - Compressional

    **Note:** the answer is incorrect. Score: 0, Accepted Answer: Compressional