Assignments

Assignment 4

The due date for submitting this assignment has passed. **Due on 2018-03-07, 23:59 IST.**

Submitted assignment

1) ________ represents the effects (ground shaking and damage) of an earthquake at a particular place based on the observations of the affected areas.

- Magnitude
- Frequency
- Intensity
- Shaking

No, the answer is incorrect.

Score: 0

Accepted Answers:

- **Intensity**

2) ________ represents the amount of seismic energy released by an earthquake, which is measured on the basis of the arrival of P and S wave and the largest amplitude of seismic wave.

- Magnitude
- Frequency
- Intensity
- Shaking

No, the answer is incorrect.

Score: 0

Accepted Answers:

- **Magnitude**

3) Which of the following magnitude scales is now used worldwide for measuring moderate and large magnitude earthquakes?

- Local (or Richter) magnitude (ML)
- Surface-wave magnitude (Ms)
- Body-wave magnitude (mb for short period, mB for long period)
- Moment magnitude (Mw or M)

No, the answer is incorrect.

Score: 0

Accepted Answers:

- **Moment magnitude (Mw or M)**

4) ________ is an imaginary line on the surface that marks the direction of intersection of the bedding plane with a horizontal plane such that the compass direction is usually expressed as a bearing.

- **Dip**
No, the answer is incorrect.
Score: 0
Accepted Answers:
Strike

5) ________ originated where the strata are crumpled or squeezed under compressional tectonic environment, perhaps due to plate movements i.e collision; subduction etc.

No, the answer is incorrect.
Score: 0
Accepted Answers:
Folds

6) When multi-layered rock complexes with regular alternations of competent and incompetent layers of high ductility contrast are subjected to compression, will result into formation of __________.  

No, the answer is incorrect.
Score: 0
Accepted Answers:
Chevron folds

7) The attitude of the Fold Axis or the Hinge Line is defined by two measurements: the bearing (strike) and its projection (inclined or horizontal), so if the Fold Axis is inclined, the fold is classified as ________.

No, the answer is incorrect.
Score: 0
Accepted Answers:
Plunging fold

8) Stereographic projections display geometries and orientations of lines and planes, i.e. the strike and dip of the planes, which is used for solving __________.

No, the answer is incorrect.
Score: 0
Accepted Answers:
All of these

9) A fracture in rock along which blocks of rock slip past each other is known as fault and the surface along which the block of rock slip is called __________.
10) The faults along which movements occurred during the last 10,000 years and considered to be source for large magnitude earthquakes in near future are known as ____________.

- Active faults
- Blind thrusts
- Reverse faults
- Strike-slip faults

No, the answer is incorrect.
Score: 0
Accepted Answers:
Active faults