Assignment 6

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment. Due on 2019-03-13, 23:59 IST.

1) The Himalayan and Kachchh region are categorized in ___________ due to high seismicity in the region. 

- zone II
- zone III
- Zone V
- zone IV

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

2) The splays of faults in the Himalaya extends from ____________ which marked the boundary between the basement rocks to the rocks deposited or formed after the Indian plate collided against Eurasian plate.

- Main Boundary Thrust
- Main Detachment Fault
- Himalayan Frontal Fault
- Main Central Thrust

No, the answer is incorrect.
Score: 0
Accepted Answers: Main Detachment Fault

3) The Kangra Valley Fault is responsible for AD1905 earthquake has ___________ motion.

- left lateral
- thrust

Score: 0
Accepted Answers:
4) The deformation manifested on the surface due to ongoing convergence or collision between the Indian plate and Eurasian palate can be monitored from _______________.
   - Global Positioning System
   - Ground Penetrating Radar
   - Total Station
   - Elastic Rebound Theory

   **No, the answer is incorrect.**
   **Score: 0**
   **Accepted Answers:**
   *Global Positioning System*

5) ______________ is manifestation of the crustal deformation by displaced landforms on the Earth's surface in past ____________.
   - Normal Fault, 1000 years
   - Thrust Fault, 10,000 years
   - Active Faults, 10,000 years
   - Active Fault, 100,000 years

   **No, the answer is incorrect.**
   **Score: 0**
   **Accepted Answers:**
   *Active Faults, 10,000 years*

6) The earthquake on the blind fault will result in no __________ manifestation on the surface. **1 point**
   However, those earthquakes can be studied by considering the __________ features.
   - fault, primary
   - rupture, liquefaction
   - deformation, fault plane
   - rupture, primary

   **No, the answer is incorrect.**
   **Score: 0**
   **Accepted Answers:**
   *rupture, liquefaction*

7) The 2005 Muzaffarabad earthquake occurred on the ___________ fault that resulted in massive landslides and liquefaction in the area.
   - Jwalamukhi Thrust
   - Kangra Valley
   - Taksal
   - Tanda

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

8) The ______________ earthquake that occurred within the Indian plate i.e. away from the plate boundaries. **1 point**
9) The study of earthquake signatures preserved in the historical monuments and early civilization remnants is termed as:

- Paleoseismology
- Seismology
- Historical events
- Archeoseismology

No, the answer is incorrect. Score: 0

Accepted Answers: Archeoseismology

10) The beds with ____________ dip can provide the best resistance to withstand the stresses or loads acting in the area.

- gentle upstream
- steep downstream
- gentle downstream
- none of the above

No, the answer is incorrect. Score: 0

Accepted Answers: gentle upstream