Assignment 12

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

1. Damping is ________ phenomenon.
   - Linear
   - Non-linear
   - Unrelated
   Non-linear
   No, the answer is incorrect. Score: 0
   Accepted Answers: Non-linear

2. Rayleigh's damping is a combination of mass and ________ proportioned damping.
   - acceleration
   - stiffness
   - displacement
   - force
   Force
   No, the answer is incorrect. Score: 0
   Accepted Answers: force

3. Damping removes ________ energy in each cycle.
   - kinetic
   - kinetic and potential
   - potential
   Potential
   No, the answer is incorrect. Score: 0
   Accepted Answers: potential

4. Base isolation will not allow vibration energy to ________ inside the structure.
   - trap
   - transfer
   - trap
   No, the answer is incorrect. Score: 0
   Accepted Answers: trap

5. Base isolation technique is used for ________ period buildings.
   - Intermediate
   - Long
   - Short
   Intermediate
   No, the answer is incorrect. Score: 0
   Accepted Answers: intermediate

6. Rubber base isolators installed in buildings absorb all ________ deformation coming from ground motion.
   - shear
   - friction
   - linear
   - complex
   shear
   No, the answer is incorrect. Score: 0
   Accepted Answers: shear

7. Base isolation is poor in resisting axial ________ load of column.
   - concentrated
   - compression
   - tensile
   Concentrated
   No, the answer is incorrect. Score: 0
   Accepted Answers: concentrated

8. ________ member of the tuned mass damper reduces the maximum deformation of the structure.
   - Harmonic
   - Out of phase
   - Asynchronous
   Harmonic
   No, the answer is incorrect. Score: 0
   Accepted Answers: harmonic

9. In TMD, the tuning is done between ________ frequency and secondary structure's frequency.
   - resonating
   - ground motion
   - primary structures
   Resonating
   No, the answer is incorrect. Score: 0
   Accepted Answers: resonating

10. Vibration control is required to ensure the ________ of structure and ensuring comfort to occupants using structure.
    - safety
    - sustainability
    - aesthetics
    - durability
    Durability
    No, the answer is incorrect. Score: 0
    Accepted Answers: durability