

Chapter 2

- Q1. Enlist and explain the errors in strong ground motion recording.
- Q2. Describe various earthquake site effects.
- Q3. What is the difference between deterministic and probabilistic seismic hazard analysis?
- Q4. Estimate the variation in mean peak ground acceleration with respect to distance for the attenuation relation proposed by Boore (1997) for a magnitude 6 event with reverse type mechanism. Use the values of closest distance to surface projection of rupture as 15km, 32km and 75km. Assume average shear wave velocity, V_S to be 750m/s.