

Introduction to Engineering Seismology

Module 2 Concept of Seismic magnitude and intensity, plate tectonics and Theory of wave propagation

Learning Objectives

To provide basic understanding of the origin of earthquakes, plate tectonics, earthquake quantifications and theory of wave propagation

Highlights and Motivation

The following topics are discussed in this module, which is divided as a three lectures for the duration of 7 hours.

- ❖ Plate tectonics & Types of faults
- ❖ Seismic magnitudes & intensity
- ❖ Type of waves & wave propagation