

Geology California Specific Examination (CSE) Sample Questions

Example No. 1

Shallow test pits excavated for a proposed project within the Melones Fault Zone reveal the presence of tremolite schist. Which of the following conditions would typically require mitigation during site development?

- A. Fugitive dust
- B. Expansive soils
- C. Corrosive soils
- D. Collapsible soils

Example No. 2

A geologist is writing a report to estimate the extent of dissolved contamination from a source that has been removed. If the data set is limited, which data characteristics would give the best estimate of the extent of the contaminants?

- A. The samples were collected over a long period of time and there is a trend in concentrations
- B. The samples were collected at high frequency and there is variability in concentrations
- C. The samples were collected by the same person using the same equipment each time
- D. The samples were collected on the same calendar dates each time

Example No. 3

A quantitative evaluation of seismic hazard potential at a site should include which of the following work tasks?

- A. Subsurface exploration, geotechnical testing, and geologic mapping
- B. Subsurface exploration, geotechnical testing, and in-situ permeability testing
- C. Seismic reflection survey, land-use mapping, and geologic mapping
- D. Seismic reflection survey, land-use mapping, and in-situ permeability testing