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Continuing Education Course #491
A Guide to Environmental Impact
Statements for Engineers

1. Which of the following are typical unavoidable detrimental impacts of small-scale land disturbance project?
 - a. Tree clearing and a loss of green space.
 - b. An increase in traffic.
 - c. A short-term increase in the potential for soil erosion.
 - d. All of the above.

2. USGS topo quad sheets show contours at what vertical intervals?
 - a. 1 foot intervals.
 - b. 10 foot intervals.
 - c. 20 foot intervals.
 - d. USGS topo quad sheets do not show contours.

3. An on-site topo survey is often required because it shows much more detailed information that can be shown on the USGS topo quad sheets.
 - a. True.
 - b. False.

4. A good place to obtain basic soils information is the NRCS web soil survey.
 - a. True.
 - b. False.

5. Which soil permeability test involves bailing or pumping water out of a test hole and recording the time it takes the water to reenter the hole?
 - a. Percolation Test.
 - b. Soil Class Rating Analysis.
 - c. Pit-bail Test.
 - d. Basin Flood Test.

6. According to the Uniform Building Code, what is the presumed lateral bearing pressure of clay (CL) soil?
 - a. 400 psf.
 - b. 200 psf.
 - c. 150psf.
 - d. 100 psf.

7. The Devonian geologic formation dates from how many years before present (myp)?
 - a. 145 to 66 myp.
 - b. 322 to 359 myp.
 - c. 359 to 407 myp.
 - d. 446-460 myp.

8. Basic groundwater quality data is available from the United States Geologic Survey (USGS).
- a. True.
 - b. False.
9. Who should make an evaluation for a property regarding endangered species?
- a. The project engineer.
 - b. A qualified biologist.
 - c. A professional geologist.
10. According to the “Washington State Standard for Cultural Resource Reporting”, what is the definition of a pre-contact village?
- a. A short-term occupation site.
 - b. A larger site or a cluster of dwellings.
 - c. A collection of features (house, barn, shed, etc.) which may or may not intact.
11. What obvious aesthetic features should be mentioned in the EIS?
- a. Any unique architectural features.
 - b. Any views of mountains, coastlines, or other notable features.
 - c. Unsightly run-down buildings, etc. that will be removed.
 - d. All of the above.
12. Should the parking required by a project be mentioned in the EIS?
- a. No.
 - b. Yes.
13. Most municipalities have codified their zoning ordinances and they are available at what website?.
- a. <https://www.usgs.gov/special-topics/water-science-school/science/groundwater-quality>
 - b. <https://www.epa.gov/waterdata/water-quality-data>
 - c. <https://www.generalcode.com/library/>
 - d. <https://ecos.fws.gov/ipac/>
14. Wetlands always have an associated transition area of 150 feet.
- a. True.
 - b. False.
15. What is the blue hatched area on a FEMA flood map?
- a. The 500 year floodplain.
 - b. The 100 year floodplain.
 - c. The floodway.
 - d. The riparian zone.
16. Riparian zones are associated with what types of features?
- a. Streams.
 - b. Wetlands.
 - c. Mountain ridges.
 - d. all of the above.
17. The EPA defines a Superfund Site as “A property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contamination.”
- a. True.
 - b. False.

18. What areas are often associated with arsenic contamination?

- a. Orchards.
- b. Ranches.
- c. Pastures.
- d. Lawns.

19. Which of the following is not part of a typical soil erosion & sediment control plan?

- a. A comprehensive sequence of construction.
- b. Detailed structural drawings.
- c. Details of dewatering operations.
- d. Provisions for tree protection.

20. A statement of qualifications should be included in the EIS.

- a. True.
- b. False.

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