

**GEOGRAPHIC INFORMATION SYSTEMS
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***** EXAMINATION *****

**TECHNICAL GUIDELINES FOR HAZARDOUS AND TOXIC
WASTE TREATMENT AND CLEANUP ACTIVITIES**

1. CERCLA is:

- a) the Certified Environmental Response, Compensation, and Liability Act
- b) the Certified Environmental Records, Cleaning, and Liability Act
- c) the Certified Environmental Records, Clearing, and Liability Act
- d) None of the above

2. The determination of the potential for a presence of a past release is:

- a) the preliminary assessment
- b) the site investigation
- c) the remedial investigation
- d) the feasibility study

3. Characterization of the nature, extent, and concentration of releases is:

- a) the preliminary assessment
- b) the site investigation
- c) the remedial investigation
- d) the feasibility study

4. Providing sufficient information for a full remedial investigation is the:

- a) preliminary assessment
- b) site investigation
- c) remedial investigation
- d) feasibility study

5. The evaluation of potential remedial actions is part of the:

- a) preliminary assessment
- b) site investigation
- c) remedial investigation
- d) feasibility study

6. Which of the following comes first in the remedial treatment process?

- a) Data evaluation
- b) Field investigation
- c) Enforcement support
- d) Risk assessment

7. **Which of the following comes last in the remedial treatment process?**
- a) Data evaluation
 - b) Field investigation
 - c) Enforcement support
 - d) Risk assessment
8. **Remedial action at any uncontrolled hazardous waste disposal site is:**
- a) preceded by an extensive site investigation.
 - b) is the first action in the remedial treatment process
 - c) followed by an extensive site investigation
 - d) None of the above
9. **The major components of site characterization are:**
- a) removal of nuclear materials
 - b) removal of chlorides
 - c) analyzing field samples in the laboratory
 - d) All of the above
10. **The initial investigation for site screening purposes produces data for:**
- a) the removal of radioactive materials
 - b) planning all further data collection
 - c) community action committees
 - d) None of the above
11. **The part of the site description which includes waste recycling is:**
- a) the site sketch
 - b) the treatment systems
 - c) the disposal facilities
 - d) the hazardous substance characterization
12. **The part of the site description which includes access roads is:**
- a) the site sketch
 - b) the treatment systems
 - c) the disposal facilities
 - d) the hazardous substance characterization
13. **The part of the site description which includes landfills is:**
- a) the site sketch
 - b) the treatment systems
 - c) the disposal facilities
 - d) the hazardous substance characterization
14. **The part of the site description which includes container markings is:**
- a) the site sketch
 - b) the treatment systems
 - c) the disposal facilities
 - d) the hazardous substance characterization

15. **The identification of sensitive receptors include:**
- a) the location of private homes
 - b) public buildings
 - c) natural areas
 - d) All of the above
16. **The critical area in evaluation of site data from**
- a) preliminary assessment is radioactivity
 - b) preliminary assessment is waste volumes
 - c) preliminary assessment is hydrology
 - d) preliminary assessment is geology
17. **Quantification of buried waste may be determined by:**
- a) drilling
 - b) seismic techniques
 - c) remote sensing
 - d) None of the above
18. **Clean-up standards prefer remedies that are:**
- a) highly reliable and provide long-term protection
 - b) less reliable but cost effective
 - c) reliable and provide short-term protection
 - d) None of the above
19. **Off site transport and disposal without treatment is:**
- a) the most cost effective solution
 - b) the least favored alternative
 - c) the least cost effective solution
 - d) None of the above
20. **Risk assessments provide an evaluation of the potential threat to:**
- a) human health and the local economy
 - b) human health and the local building codes
 - c) human health and the environment
 - d) All of the above
21. **The components of the risk assessment process include:**
- a) contaminant identification
 - b) exposure assessment
 - c) toxicity assessment
 - d) All of the above
22. **Soil moisture content is a:**
- a) waste characteristic
 - b) climate characteristic
 - c) surface characteristic
 - d) subsurface characteristic

23. **Toxicity is a:**

- a) waste characteristic
- b) climate characteristic
- c) surface characteristic
- d) subsurface characteristic

24. **Precipitation is a:**

- a) waste characteristic
- b) climate characteristic
- c) surface characteristic
- d) subsurface characteristic

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*** ANSWER SHEET *** U57 TECHNICAL GUIDELINES FOR HAZARDOUS AND TOXIC WASTE TREATMENT AND CLEANUP ACTIVITIES	<u>STATE BOARD</u>	<u>COURSE NO.</u>	<u>VALUE</u>
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