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Courses » Geoenvironmental Engineering (Environmental Geotechnology); Landfills, Slurry Ponds &

Contaminated Sites Announcements **Course** Ask a Question Progress Mentor FAQ

Unit 10 - Week 9

Course outline

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Lecture 28 : Closure, Rehabilitation and Expansion of MSW Landfills

Lecture 29 : Control and Remedial Measures at Contaminated Sites - Part 1

Lecture 30 : Control and Remedial

Assignment no. 9

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment. **Due on 2018-10-03, 23:59 IST.**

1) The method of dumping fresh waste over cover of an old waste is called as: **1 point**

- Piggybacking
- Riser
- Doubling
- Riding

No, the answer is incorrect.
Score: 0

Accepted Answers:
Piggybacking

2) Which of the following option of landfill rehabilitation was adopted at Gorai landfill? **1 point**

- Bioremediation
- Landfill Mining
- Capping
- All of above

No, the answer is incorrect.
Score: 0

Accepted Answers:
Capping

3) For the assessment of contamination level of a site, the concentration of contaminants should be first compared with: **1 point**

- Background level

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Background level

4) Which of the following is a remedial measure but not a control measure for a contaminated site? **1 point**

- Vertical barrier
- Capping
- Cover and vertical barrier both
- Removing the source and and treating soil and ground water

No, the answer is incorrect.

Score: 0

Accepted Answers:

Removing the source and and treating soil and ground water

5) Which of the following method of soil remediation is generally used to remove volatile organic compounds from unsaturated soil? **1 point**

- Soil washing
- Pump and treat
- Phytoremediation
- Soil vapor extraction

No, the answer is incorrect.

Score: 0

Accepted Answers:

Soil vapor extraction

6) Air sparging is used for the removal of contaminants from: **1 point**

- Saturated zone
- Vadose zone
- All of above

No, the answer is incorrect.

Score: 0

Accepted Answers:

Saturated zone

7) Which of the following condition plays an important for the successful execution of bioremediation? **1 point**

- pH
- Temperature
- Moisture
- Presence of oxygen
- All of above

No, the answer is incorrect.

Score: 0

Accepted Answers:

All of above

8) Which of the following is not a transformation technique? **1 point**

- Oxidation

- Extraction
- Bioremediation
- Thermal treatment

No, the answer is incorrect.

Score: 0

Accepted Answers:

Extraction

9) Which of the following fraction of contaminated soil is most difficult to remediate?

1 point

- Gravel
- Coarse sand
- Clay
- Fine sand

No, the answer is incorrect.

Score: 0

Accepted Answers:

Clay

10) From the following options, choose the most suitable rehabilitation measure for a site which is having 5 years old abandoned MSW dump, medium in size, subsoil is clay, WT at 100 m depth, remote location on barren land and 25 km from community.

- Regrade, provide cover of local soil, vegetation
- Remove waste to a new well designed landfill; remediate site by pump & treat
- Provide cover as per HW rules and cut-off walls 18 m deep

No, the answer is incorrect.

Score: 0

Accepted Answers:

Regrade, provide cover of local soil, vegetation

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