

Unit 13 - Week 11

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Assignment 11

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2020-12-02, 23:59 IST.

1) Retention is a _____ phenomenon. 1 point

- a. Source
- b. Irreversible
- c. Sink
- d. Transformation from solid to liquid

- a.
 b.
 c.
 d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
c.

2) Preferential flow is _____ flow. 1 point

- a. Uneven
- b. Very slow
- c. Even
- d. None of these

- a.
 b.
 c.
 d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
a.

3) How chemicals are introduced to natural media? 1 point

- a. Industrial operations
- b. Using of agricultural chemicals
- c. Waste disposal
- d. All of these

- a.
 b.
 c.
 d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
d.

4) How many types of pollution models can be found? 1 point

- a. 1
- b. 2
- c. 3
- d. 4

- a.
 b.
 c.
 d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
d.

5) _____ model is useful for testing various hypothesis in relation to mechanisms of retention, transformation and transport. 1 point

- a. Research model
- b. Management model
- c. Screening model
- d. Teaching model

- a.
 b.
 c.
 d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
a.

6) In a one-dimensional CD equation, Θ indicates _____. 1 point

- a. Flow of temperature
- b. Volume
- c. Volumetric soil content
- d. Volumetric water content

- a.
 b.
 c.
 d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
d.

7) Monte Carlo simulations are used in - . 1 point

- a. Deterministic model
- b. Stochastic model
- c. Both of them
- d. None of these

- a.
 b.
 c.
 d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
b.

8) The variability of measured values in a pollution model has _____ components. 1 point

- a. 4
- b. 1
- c. 3
- d. 2

- a.
 b.
 c.
 d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
d.

9) For soil pollution model validation, the input parameters can be obtained by - 1 point

- a. Calibration
- b. Published values
- c. Pedotransfer functions
- d. All of these

- a.
 b.
 c.
 d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
d.

10) Which statistical criteria is not used in model validation? 1 point

- a. Coefficient of determination
- b. Coefficient of residual mass
- c. Geometric mean
- d. Maximum error

- a.
 b.
 c.
 d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
c.

11) Which criteria is used by the model users to judge the model validation? 1 point

- a. Available data
- b. Type of the model
- c. The problem under consideration
- d. All of the above

- a.
 b.
 c.
 d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
d.

12) Soil remediation is not needed when - 1 point

- a. Toxic elements are present in the soil
- b. There is no risk to bio-diversity
- c. There is no risk to human health
- d. Both b and c

- a.
 b.
 c.
 d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
d.

13) Diagnosis of the soil pollutants means- 1 point

- a. Pollution remediation
- b. The prediction of future pollution
- c. The characterization of the pollutants at the present time considering the hydrologic, pedologic and geologic characteristics of the site.
- d. None of these

- a.
 b.
 c.
 d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
c.

14) The risk assessment of the pollutant is based on - 1 point

- a. Physicochemical state of the pollutant
- b. The location of the pollutants
- c. Transformation of the pollutants
- d. All of these

- a.
 b.
 c.
 d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
d.

15) The choice of remedial treatment should be based on: 1 point

- a. The end use of the land
- b. The costs of remediation
- c. The risk assessment before, during and after the remediation
- d. All of these

- a.
 b.
 c.
 d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
d.