

Unit 5 - Week 3

Course outline

How does an NPTEL online course work?

Week 0 Assignment 0

Week 1

Week 2

Week 3

● Lecture 11 : Representing the Real World

● Lecture 12 : Representing the Real World (Continued)

○ Lecture 13 : Representing the Real World (Continued)

● Lecture 14 : Representing the Real World in Surface Models (Continued)

● Lecture 15 : Representing the Real World (Continued)

● Lecture material of Week 3

○ Quiz : Week 3 Assignment 3

○ Week 3 Feedback Form

Week 4

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Week 11

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Datasets

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Week 3 Assignment 3

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

Due on 2020-02-19, 23:59 IST.

1) Elevation map is an example of _____ data

A) Discrete
B) Vector
C) Continuous
D) Categorical

- A)
 B)
 C)
 D)

No, the answer is incorrect.
Score: 0

Accepted Answers:
C)

1 point

2) _____ describes the world as a space filled with discrete, identifiable units

A) Objects
B) Fields
C) Polygons
D) Regular points

- A)
 B)
 C)
 D)

No, the answer is incorrect.
Score: 0

Accepted Answers:
A)

1 point

3) In a vector model, _____ are usually called as nodes

A) Lines
B) End points
C) Intermediate points
D) All of the above

- A)
 B)
 C)
 D)

No, the answer is incorrect.
Score: 0

Accepted Answers:
B)

1 point

4) The degree of agreement between several measurements of a quantity is denoted as _____

A) Accuracy
B) Discrete
C) Fuzzy
D) Precision

- A)
 B)
 C)
 D)

No, the answer is incorrect.
Score: 0

Accepted Answers:
D)

1 point

5) Redundancy of data can be observed in _____ model

A) Topological
B) Spaghetti
C) Raster
D) Quad-tree

- A)
 B)
 C)
 D)

No, the answer is incorrect.
Score: 0

Accepted Answers:
B)

1 point

6) The disadvantage of quad tree model is/are _____

A) Processing time
B) Huge storage capacity
C) Prolong alterations
D) All of the above

- A)
 B)
 C)
 D)

No, the answer is incorrect.
Score: 0

Accepted Answers:
D)

1 point

7) _____ describe the terrain surface including the above ground objects numerically in the form of x, y, and z coordinates

A) Digital terrain model
B) Digital surface model
C) Digital elevation model
D) All of the above

- A)
 B)
 C)
 D)

No, the answer is incorrect.
Score: 0

Accepted Answers:
B)

1 point

8) Connectivity, area definition and contiguity are basic principles of _____

A) Topology
B) Field model
C) Raster model
D) Discrete model

- A)
 B)
 C)
 D)

No, the answer is incorrect.
Score: 0

Accepted Answers:
A)

1 point

9) An imaginary line on the ground joining the points having the same elevation at a specific interval is known as _____

A) Triangulated irregular network
B) Ridge line
C) Isoline
D) Valley line

- A)
 B)
 C)
 D)

No, the answer is incorrect.
Score: 0

Accepted Answers:
C)

1 point

10) A lake with its exact boundary can be marked using _____ model

A) Raster
B) TIN
C) Vector
D) DEM

- A)
 B)
 C)
 D)

No, the answer is incorrect.
Score: 0

Accepted Answers:
C)

1 point