

## Course outline

How does an NPTEL online course work?

Week Zero: Assignment Zero

Week 01

Week 02

- Raster data model and comparisons with vector

- TIN data model and comparisons with raster

- Non-spatial data (attributes) and their types

- Vector data compression techniques

- Demonstration through GIS software

- Quiz : Assignment 2

- Solution for week 02

Week 03

Week 04

week 05

week 06

week 07

week 08

week 09

Week 10

week 11

week 12

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# Assignment 2

The due date for submitting this assignment has passed.

**Due on 2021-02-07, 23:59 IST.**

As per our records you have not submitted this assignment.

1) How many attributes, raster data unit can have?

1 point

- 1
- 2
- 3
- infinite

 No, the answer is incorrect.  
Score: 0

 Accepted Answers:  
1

2) How many attributes, vector data can have?

1 point

- 1
- 2
- 3
- Theoretically infinite

 No, the answer is incorrect.  
Score: 0

 Accepted Answers:  
Theoretically infinite

3) How many basic kinds of attributes so far know in GIS domain?

1 point

- 4
- 5
- 6
- 7

 No, the answer is incorrect.  
Score: 0

 Accepted Answers:  
6

4) Nominal attributes are:

1 point

- Described by name and with no specific order
- Always numeric values with specific order
- Always numeric values with no specific order
- Described by name and with specific order

 No, the answer is incorrect.  
Score: 0

 Accepted Answers:  
Described by name and with no specific order

5) Stream ordering can be represented successfully as:

1 point

- Nominal attribute
- Ratio attribute
- Ordinal attribute
- Interval attribute

 No, the answer is incorrect.  
Score: 0

 Accepted Answers:  
Ordinal attribute

6) Ratio attributes have the same characteristics as interval variables, but in addition, these have:

1 point

- No order
- No starting point
- No order neither starting point
- Zero or starting point

 No, the answer is incorrect.  
Score: 0

 Accepted Answers:  
Zero or starting point

7) Delaunay triangulation is a proximal method that satisfies the requirement that a ..... drawn through the three nodes of a ..... will contain no other node.

1 point

- Triangle, Circle
- Triangle, Square
- Circle, Triangle
- Square, rectangle

 No, the answer is incorrect.  
Score: 0

 Accepted Answers:  
Circle, Triangle

8) The TIN model represents a surface as a set of:

1 point

- Contiguous, non-overlapping triangles
- Non-contiguous, overlapping triangles
- Contiguous, overlapping triangles
- Non-contiguous, non-overlapping triangles

 No, the answer is incorrect.  
Score: 0

 Accepted Answers:  
Contiguous, non-overlapping triangles

9) In TIN model, within each triangle the surface is represented by a

1 point

- Point
- Plane
- Polyline
- Breakline

 No, the answer is incorrect.  
Score: 0

 Accepted Answers:  
Plane

10) In TIN model, triangles are made from a set of points called:

1 point

- 2D points
- 3D points
- Random points
- Mass points

 No, the answer is incorrect.  
Score: 0

 Accepted Answers:  
Mass points