

## Course outline

How does an NPTEL online course work?

Week Zero: Assignment Zero

Week 01

Week 02

Week 03

Raster data compression techniques-01

Raster data compression techniques-02

Georeferencing

Pre-processing of spatial datasets-01

Demonstration through GIS software

Quiz : Assignment 3

Solution for 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 3

The due date for submitting this assignment has passed.

**Due on 2021-02-10, 23:59 IST.**

As per our records you have not submitted this assignment.

1) In georeferencing, if a user chooses third order polynomial equation, then minimum number of required GCPs required are:

1 point

- 10  
 12  
 13  
 14

 No, the answer is incorrect.  
 Score: 0

 Accepted Answers:  
 10

2) In Georeferencing the y-scale (E) is ....., because the origins of an image and a geographic coordinate system are different:

1 point

- Positive  
 Negative  
 Square root  
 None of the above

 No, the answer is incorrect.  
 Score: 0

 Accepted Answers:  
 Negative

3) JPG image format is also a type of:

1 point

- Destructive compression tool  
 Constructive compression tool  
 Simple compression tool  
 None of the above

 No, the answer is incorrect.  
 Score: 0

 Accepted Answers:  
 Destructive compression tool

4) Relatively Quadtrees raster data compression technique provides:

1 point

- High compression  
 No compression  
 Less compression  
 Maximum compression

 No, the answer is incorrect.  
 Score: 0

 Accepted Answers:  
 High compression

5) MrSID raster data compression technique can provide compression upto:

1 point

- 30:1  
 40:1  
 50:1  
 60:1

 No, the answer is incorrect.  
 Score: 0

 Accepted Answers:  
 50:1

6) How many types of resampling techniques presently known in GIS?

1 point

- 4  
 3  
 2  
 1

 No, the answer is incorrect.  
 Score: 0

 Accepted Answers:  
 3

7) During data generalization, number of nodes of a polyline / polygon are:

1 point

- Increased  
 No change  
 Reduced  
 None of the above

 No, the answer is incorrect.  
 Score: 0

 Accepted Answers:  
 Reduced

8) Which database model is most commonly used in GIS:

1 point

- Hierarchical  
 Network  
 Relational  
 Object-Oriented

 No, the answer is incorrect.  
 Score: 0

 Accepted Answers:  
 Relational

9) In which database tables are related by sharing common entity characteristic(s):

1 point

- Hierarchical  
 Network  
 Relational  
 Object-Oriented

 No, the answer is incorrect.  
 Score: 0

 Accepted Answers:  
 Relational

10) The advantage of Standard Query Language (SQL) in relation to GIS databases?

1 point

- It is special  
 It is simple and easy to understand  
 It uses a true-English style of questioning  
 It is good at handling geographical concepts

 No, the answer is incorrect.  
 Score: 0

 Accepted Answers:  
 It is good at handling geographical concepts