

Course outline

How does an NPTEL online course work?

Week Zero: Assignment Zero

Week 01

Week 02

Week 03

Week 04

week 05

week 06

week 07

week 08

week 09

Week 10

week 11

week 12

- Applications of DEMs in Viewshed and Flood Hazard Mapping
- Applications of DEMs in solar and wind energy potential estimations
- DEMs Sources, limitations and future of Digital Elevation Models
- Errors in GIS and key elements of maps
- Limitations of GIS
- Quiz : Assignment 12

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Assignment 12

The due date for submitting this assignment has passed.

Due on 2021-04-14, 23:59 IST.

As per our records you have not submitted this assignment.

1) Which analysis identifies cells of a DEM those can be seen from a particular point on the surface? **1 point**

- Viewshed
- Visibility Analysis
- Line-of-sight analysis
- All of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
All of the above

2) Which error can't be corrected in GIS: **1 point**

- Operational
- Inherent
- Measurement
- All of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
Inherent

3) If you are precise, that doesn't necessarily mean you are However, if you are consistently, you are also precise. **1 point**

- Accurate, precise
- Precise, accurate
- Accurate, accurate
- Precise, precise

No, the answer is incorrect.
Score: 0

Accepted Answers:
Accurate, accurate

4) A DEM, offset height and direction is required in: **1 point**

- Viewshed
- Visibility Analysis
- Line-of-sight analysis
- All of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
All of the above

5) Geometric / positional errors, classification errors in remote sensing data Field, data sampling, GCPs errors etc. belong to: **1 point**

- Errors in the source data
- Errors occurring during data input
- Errors in data analysis
- Errors in data storage

No, the answer is incorrect.
Score: 0

Accepted Answers:
Errors in the source data

6) Error in GIS: **1 point**

- Reduces
- Eliminates
- Lessens
- Propagates

No, the answer is incorrect.
Score: 0

Accepted Answers:
Propagates

7) In long distance line-of-sight analysis which is important to consider: **1 point**

- Digital Surface Model
- Curvature of the Earth
- Atmospheric refraction
- All of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
All of the above

8) Which map element is considered part of "Golden Rules of Cartography"? **1 point**

- Scale bar
- Orientation
- Legend
- All of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
All of the above

9) Which analysis would be suitable for landscape evaluation, siting of observation towers and modelling coverage of cellular communications? **1 point**

- Buffer
- Cut-and-fill
- Visibility analysis
- Slope

No, the answer is incorrect.
Score: 0

Accepted Answers:
Visibility analysis

10) Reversal of a DEM can be useful to produce: **1 point**

- Contours
- Polygons
- Points
- Pixels

No, the answer is incorrect.
Score: 0

Accepted Answers:
Contours