

Unit 4 - Week 3

Course outline

How does an NPTEL online course work?

Week 1

Week 2

Week 3

- Lecture 11: Different map projections
- Lecture 12: Spatial interpolation techniques
- Lecture 13: Digital Elevation Models and different types of resolutions
- Lecture 14: Quality assessment of freely available DEMs
- Lecture 15: GIS analysis-1
- Quiz : Assignment 3

Week 4

Text Transcripts

Download Videos

Feedback

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) Which of the following projection system can represent the Earth's surface perfectly

1 point

- Conic
- Cylindrical
- Azimuthal
- None of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
None of the above

2) Maps are always associated with reduction of scale

1 point

- True
- False

No, the answer is incorrect.
Score: 0

Accepted Answers:
True

3) Which of the following statement is not correct?

1 point

- Maps are models of reality
- Miller cylindrical projection results distortion of shape of continents near polar regions
- Miller cylindrical projection results distortion of shape of continents near the equator
- Mercator projection is a cylindrical map projection

No, the answer is incorrect.
Score: 0

Accepted Answers:
Miller cylindrical projection results distortion of shape of continents near the equator

4) The shape of the Earth is

1 point

- Spherical
- Oblate spheroid
- Prolate spheroid
- Round

No, the answer is incorrect.
Score: 0

Accepted Answers:
Oblate spheroid

5) The conformal projection system

1 point

- Represents area correctly
- Represents angles and shape correctly
- Represents distance correctly
- Represents size correctly

No, the answer is incorrect.
Score: 0

Accepted Answers:
Represents angles and shape correctly

6) The Google Map uses a type of Mercator projection which results exaggeration of areas near the poles.

1 point

- True
- False

No, the answer is incorrect.
Score: 0

Accepted Answers:
True

7) Spatial interpolation is not very suitable to predict _____.

1 point

- Population density
- Groundwater depth within a alluvial plain
- Rainfall
- Soil pH within a floodplain

No, the answer is incorrect.
Score: 0

Accepted Answers:
Population density

8) A satellite sensor having 10 m spatial resolution will be able to distinguish a 100 m long canal that has a width of 5 m.

1 point

- True
- False

No, the answer is incorrect.
Score: 0

Accepted Answers:
False

9) DEM generated by RADAR interferometry is better for _____ in comparison to DEM generated by stereo-pairs.

1 point

- Plain areas
- Hilly terrain
- Forest cover
- None of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
Plain areas

10) Which of the following reclassification method is associated with highest amount of data lost.

1 point

- 1:M
- M:1
- 1:1
- M:M

No, the answer is incorrect.
Score: 0

Accepted Answers:
M:1