Assignment 11

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

Due on 2021-04-07, 23:59 IST.

1. The shape of a cell of a DEM can only be:
   - Rectangular
   - Circular
   - Square
   - Triangular
   No, the answer is incorrect. Score: 0
   Accepted Answers: Square

2. Overall shape of a DEM can only be:
   - Rectangular and square
   - Circular and triangular
   - Square and circular
   - Triangle and rectangular
   No, the answer is incorrect. Score: 0
   Accepted Answers: Rectangular and square

3. Spatial resolution of a DEM is:
   - Can be improved later
   - Varies with time
   - Fixed once the DEM is created
   None of the above
   No, the answer is incorrect. Score: 0
   Accepted Answers: Fixed once the DEM is created

4. An 8-bit DEM can have ........ total number of possible integer cell values:
   - 256
   - 255
   - 65535
   No, the answer is incorrect. Score: 0
   Accepted Answers: 256

5. A DEM that shows finer details is said to be:
   - High resolution
   - Coarser resolution
   - Moderate resolution
   - Poor resolution
   No, the answer is incorrect. Score: 0
   Accepted Answers: High resolution

6. The DEM is NOT based on which of the following?
   - Grid cells
   - Distance KY coordinate pairs
   - Grid cells grouped to form spatial entities
   - Navigations
   No, the answer is incorrect. Score: 0
   Accepted Answers: Distance KY coordinate pairs

7. Which of the following is NOT a raster data structure?
   - Spatial grid
   - Row-length encoding
   - Quadtree
   - Block encoding
   No, the answer is incorrect. Score: 0
   Accepted Answers: Spatial grid

8. Which of the following is an advantage of DEMs over TINs?
   - DSMs do not require interpolation of point heights
   - DSMs do not require resampling if irregularly spaced input data is used
   - DSMs efficiently store data over varied terrain
   - DSMs use a simple data model
   No, the answer is incorrect. Score: 0
   Accepted Answers: DSMs use a simple data model

9. CE Data, generated from IRS-4 SAR and LISS data, generally have a spatial resolution between 0.33-1.50m:
   - True
   - False
   No, the answer is incorrect. Score: 0
   Accepted Answers: False

10. A DEM is a digital model and ........ representation of a terrain's surface?
    - True
    - 2
    - 3
    - 4
    No, the answer is incorrect. Score: 0
    Accepted Answers: True