INFORMATION

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QUIZZ

What kind of maps are used to show temperature of various locations?

○ Political maps

◉ Thematic maps

○ Reference maps

○ Physical maps

Clear selection

A map has a scale of 1:5000. What is the actual area (area on ground) of the circle that has an area of 30cm^2 in the map?

○ 75000 metres square

○ 7500 metres square

○ 150000 metres square

◉ 15000 metres square

Clear selection

What is the full form of WMS?

⦿ Web Map Service

◯ World Multimedia Service

◯ Web Messaging Service

◯ World Multimedia System

Clear selection

Which of the below listed belong to the eight Spatial relationships ?

◯ Disjoint, meets, equals

◯ Inside, covered by

◯ Contains, covers, overlaps

⦿ All of the above

Clear selection

Attribute tables are characteristic of .....

◯ Raster data

◯ Vector data

⦿ Both

◯ None

Clear selection

Which of the following classification algorithm is suitable for normally distributed data?

○ Geometric

○ Equal interval

○ Quantile

◉ Standard Deviation

Clear selection

Which of the the following is mean to be the 'geographic field' ?

○ Air temperature

○ Barometric pressure

○ Elevation

◉ All of the above

Clear selection

Select the correct GIS Application

○ Foresters - timber inventory

○ Fire, police, ambulance - 102 and emergency vehicle routing

○ Military - logistics and battle plans

◉ All of the above

Clear selection

Choropleth shows :

○ ● Variation in the attribute value with change in hues of same colour

○ Time based contours between places

○ Terrain characteristics derived from elevation data

○ Drainage characteristics of a watershed

Clear selection

Which of the following can be generally considered a metadata?

○ The attribute values in the raster file

○ The attribute table attached with the vector file

○ The file extensions of the raster dataset provided

● The coordinate information embedded in the image

Clear selection

Mark the correct answer.

○ Accuracy is the relative closeness of the observations to each other in the context of GIS

● Accuracy is the closeness of the observation with the actual value in the context of GIS

○ Accuracy is synonymous to accuracy in the geospatial measurements
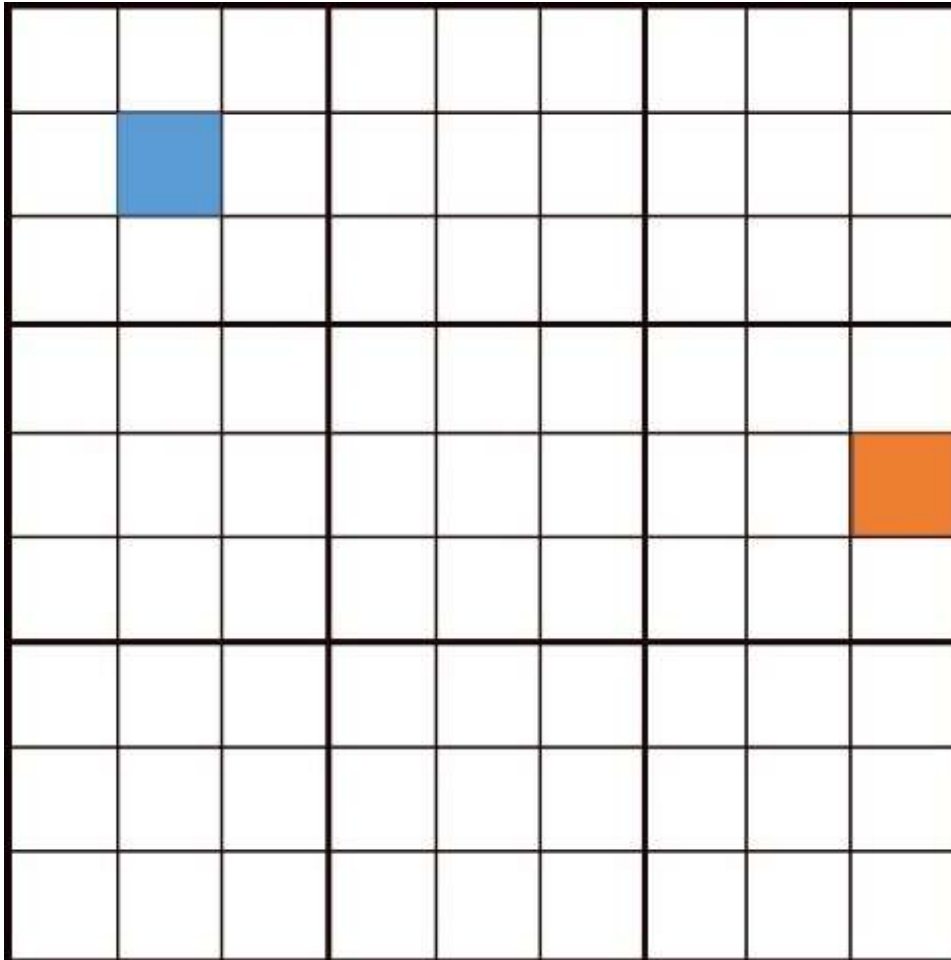
○ All the above

Clear selection

Which of the following classification method that tries to divide the dataset into most natural classes?

○ Standard deviation

○ Equal interval

⦿ Jenks classification

○ Geometric

Clear selection

23. What is the Euclidean distance between the red and blue grounds represented as cells in the square area?

🔘 7.61

⭕ 8.94

⭕ 11

⭕ 8

Clear selection

Which of the following does not have sun as the primary source in remote sensing?

○ ASTER

○ Landsat

○ Ikonos

◉ Radarsat-1

Clear selection

What is the latitude of the equator (in degrees)?

◉ 0

○ 90

○ 45

○ 135

Clear selection

Which of the following is the RASTER file format?

○ KML and GEOTIFF

◉ GEOTIFF anf TIFF

○ TIFF and DXG

○ PDF and JPG

Clear selection

Which of the following is the vector file format?

◉ SHP

○ KML

○ GeoTIFF

○ DXG

Clear selection

Computing a buffer around a feature requires that the feature be represented in a vector format.

◉ True

○ False

○ Insufficient information

Clear selection

What is the scale of the map that is supposed to represent an area of 400km^2 in 1cm^2?

○ 1:2000000

○ 1:4000000

◉ 1:4000000000000

○ 1:40000

Clear selection

A road network overlayed over the city in the vector layers would come under......

○ Polygon in polygon

● Line in polygon

○ Point in polygon

○ Both a and b

Clear selection

Mark the correct answer

● Precision is the relative closeness of the observations to each other in the context of GIS

○ Precision is the closeness of the observation with the actual value in the context of GIS

○ Precision is synonymous to accuracy in the geospatial measurements

○ All the above

Clear selection

A GIS software is not full-fledged if the following capabilities are missing there.....

○ Data capture and preparation

○ Data analysis

○ Presentation of spatial data

● All of the above

Clear selection

Which of the following generalization is used for efficient data storage?

○ Model generalization

◉ Cartographic generalization

○ Both

○ None

Clear selection

Which of the following maps are generally used to show the statistics of diseases in a country?

○ Political maps

◉ Physical maps

○ Road maps

○ Topographic maps

Clear selection

Standard line that follows a meridian is ....

○ Middle line

○ Tangent line

○ Parallel line

◉ Standard meridian

Clear selection

Which of the following is the valid (closer to average) height of a remote sensing satellite?

◉ 36000KM

○ 700KM

○ 4000KM

○ 300KM

Clear selection

◉ Option 1

Clear selection

Which mean sea level is used by India in geographical modelling?

○ Karachi

◉ Mumbai

○ Chennai

○ Kolkata

Clear selection

To simulate a 3D image, which of the following conditions should be met?

○ Get multiple view from different instances in time and same geographical location

○ Get multiple view from different instances in time and different geographical location

◉ Get multiple view from same instances in time and same geographical location

○ Get multiple view from same instances in time and different geographical location

Clear selection

What kind of classification scheme can be used to classify rainfall in the following range: 10cm-20cm, 20cm-40cm, 40cm-80cm?

○ Standard deviation

○ Equal interval

◉ Jenks classification

○ Geometric

Clear selection

Which of the following maps are often specifically used to show steepness of terrain?

○ Political maps

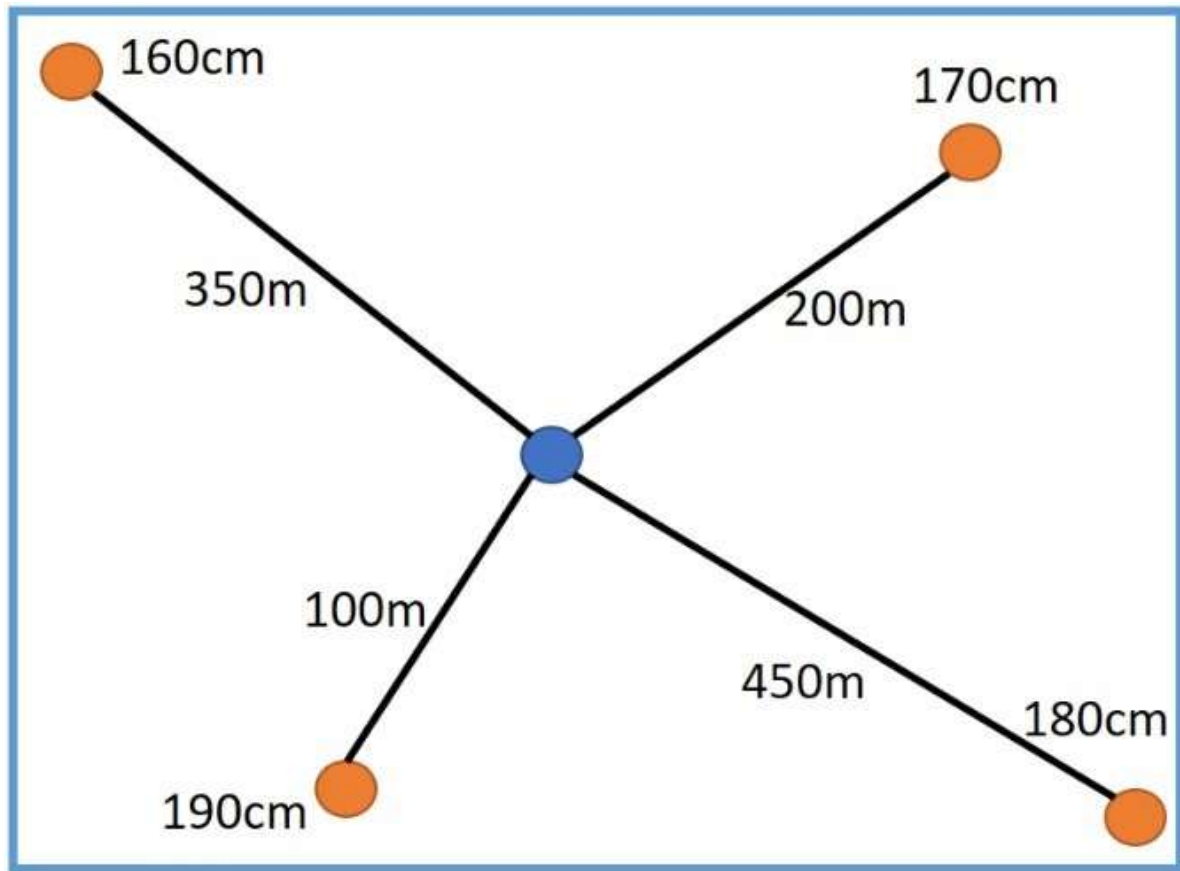○ Physical maps

◉ Topographic maps

○ Road maps

Clear selection

Which of the following least used format for geospatial images?

○ TIFF

○ GeoTIFF

◉ GIF

○ JPEG

Clear selection

9. In the following figure, find the value of precipitation in the blue dot using mean linear interpolation.

- ○ 190
- ○ 175
- ○ 160
- ● 183

Clear selection

Calculating area of buildings in an enclosed space can come under..........

○ Global operation

○ Local operation

○ Focal Operation

◉ Zonal operation

Clear selection

A buffer of a point feature would be a ....

○ Polygon

○ Point

○ Line

◉ Any

Clear selection

Which of the following maps are generally used to show the population of an area?

○ Physical map

◉ Thematic map

○ Reference map

○ None

Clear selection

GIS means for

◉ Geographic Information System

○ Generic Information System

○ Geological Information System

○ Geographic Information Sharing

Clear selection

Which of the following is not an example of GIS?

○ Google Earth

◉ GPS receiver

○ Mapit

○ ArcMap

Clear selection

GIS handles with the kind of data is ....

○ Numeric data

○ Binary data

◉ Spatial data

○ Complex data

Clear selection

Time series maps can be used to represent ?

○ A.Change is covid cases for different months in an area

○ B.Variation in covid cases across different areas

◉ Both A & B

○ None

Clear selection

Which of the following can directly interfere with GPS readings?

○ Clouds

◉ Obstructions by buildings

○ Higher temperature (around 50 degrees Celsius)

○ Rainfall

Clear selection

The 'spatial data' mean a data that has

○ Complex values

◉ Positional values

○ Graphic values

○ Decimal values

Clear selection

Which of the following is the exact interpolators?

◉ Nearest neighbour

○ Kriging

○ Least squares

○ Cubic spline

Clear selection

Which of the following can be the attribute values in a raster (generally)?

○ Easting

○ Northing

◉ Elevation

○ None

Clear selection

Several distinct trees in an orchard in the vector layers would come under

○ Polygon in polygon

○ Line in polygon

◉ Point in polygon

○ Both a and c

Clear selection

◉ Option 1

Clear selection

Which of the following is also called Bare Earth model?

◉ Digital terrain model

◯ Digital elevation model

◯ Digital surface model

◯ None

Clear selection

What is the other name for the latitudes?

◯ Transverses

◯ Equators

◉ Parallels

◯ Tangents

Clear selection

What is the full form of WMTS?

◯ World Multimedia and Telecommunication Service

◯ Web Multimedia and Transmission Service

◯ World Map Transmission System

◉ Web Map Tile Service

Clear selection

Which is not the advantage of quantile classification?

○ Gives data classes at the extremes and middle the same number of values

○ Each class is equally represented on the map and the classes are easy to compute.

○ Quantile classification is also very useful when it comes to ordinal data.

◉ Mitigates the classification gaps between the attribute values

Clear selection

In the WebGIS, the information processing mainly takes place at the ……………

◉ Client side

○ Server side

○ Both

○ None

Clear selection

Which of the following is not included in the elements of a map?

○ Type

○ Legend

◉ Direction

○ Grids

Clear selection

How many hours is India ahead of GMT?

○ 5

○ 5.3

◉ 5.5

○ 6

Clear selection

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