

GIS Exercise

1- What is GIS?

Answer:

2-What is the function of the following ARCMAP tools:

Identify tool:

Full Extent:

Select feature tool:

Select Elements:

Zoom in in Data View:

Zoom in in Layout View:

3-What are the five components of a GIS?

Answer:

4-Discuss the application areas of GIS?

Answer:

5-What is the meaning of Georeferencing?

Answer:

6-Explain how to Insert the data into Arc Map GIS?

Answer:

7-Explain how to Georeferencing your GIS layer or map using ARCGIS?

Answer:

8- How to rectify image in Arc Map GIS?

Answer:

9-Explain how to create shapefile called Polygons using ARCCATALOG?

Answer:

10-Explain how to create shapefile called Polygons using ARCCATALOG?

Answer:

11-Explain how to Edit shapefile in ARCGIS?

12-Explain how to create shapefile called Points using ARCCATALOG?

Answer:

13-Compare between Georeferencing && Projection

Answer:

14-Compare between Onscreen digitizing technique && Digitizing table

Answer:

15-Explain how to use Onscreen digitizing technique (based on polygons) using ARCMAP?

Answer:

16-Explain how to use Onscreen digitizing technique (based on polylines) using

ARCMAP?

Answer:

17-Explain how to use Onscreen digitizing technique (based on points) using ARCMAP?

Answer:

18-Compare between Spatial data && Aspatial data

Answer:

19-Compare between Raster data && Vector data

Answer:

20- How to add a field in attribute table in ARCMAP?

21-How do you access a layer's attribute table in ARCMAP?

Answer:

22-Compare between Point mode && Streaming mode

Answer:

23-Compare between Dangle node && Pseudo node

Answer:

24-Compare between True node && Vertex

Answer:

25-Explain how to Use “SELECT” toll in Arc GIS?

Answer:

26- Answer with True or False and correct the false statement:

1- Start editing is needed to add a field in the attribute table.

Answer:

2- When you are editing, you alter the source data.

Answer:

3- You can add a field to attribute table in ARCCATALOG while the table is opened in ARCMAP.

Answer:

4- Projection information for a shape file is stored in an x.dbf file.

Answer:

5- The vector storage uses a series of equal-sized cells.

Answer:

6- You can group points and lines into the same feature class.

Answer:

7- You can group points and lines into the same shape file.

Answer:

8- A shape file is a folder containing feature classes.

Answer:

9- It is not necessary to define the type of the feature when you create a new shape file.

Answer:

10- Edit and clean is not important for a point shape file.

Answer:

11- You can undo the wrong actions in ARCMAP.

Answer:

12- Dangle node is considered an error in line shape file.

Answer:

13- GPS instrument is used to get the control points coordinates in meters.

Answer:

14- Pseudo node is considered an error in a polygon shape file.

Answer:

15- Tabular data can be both input and output of GIS.

Answer:

16- There is no spatial relationship between points, lines, and polygons in topological data.

Answer:

17- Each field should have a unique name.

Answer:

18- Vector data is always more accurate than raster data.

Answer:

19- Before you can edit a feature, you must first select it with the sketch tool.

Answer:

20- You can save your edits while editing or at the end of the edit session.

Answer:

21- Select feature tool is used to display the attribute data for a specified feature.

Answer:

27- which of the following considered an error, and if it is, how to correct it:

- You have many pseudo nodes in polygon layer.

Answer:

- You forgot to make clean for a point layer.

Answer

- A polygon feature has no label point.

Answer:

- You have many dangling nodes in a line layer.

Answer:

- Same features IDs are set to zero.

Answer:

- Two polygons have the same label point IDs.

Answer:

- There is a dangle arc between two polygons.

Answer:

28-How to add a field in attribute table in ARCCATALOG?

Answer:

29-What is the function of the following ARCMAP tool?

Statistics command:

Overly

Clip features:

30-How to add Title of the map using ARCMAP?

Answer:

31-How to add Scale Bar of the map using ARCMAP?

Answer:

32-How to add North Arrow of the map using ARCMAP?

Answer:

33-How to create a network Database using ARCMAP?

Answer:

34-How to add Legend of the map using ARCMAP?

Answer:

35-How to add the Grids of the map using ARCMAP?

Answer:

36-How to add the Categories of the map using ARCMAP?

Answer:

37-How to add the Unique Values of the map using ARCMAP?

Answer:

38-How to add the Categories from the type of Unique values with many fields of the map using ARCMAP?

Answer:

39-How to add the Pie charts of the map using ARCMAP?

Answer:

40-How to add the Quantities from the type of Graduated Colors of the map using ARCMAP?

Answer:

41-How to add Graduated Symbols of the map using ARCMAP?

Answer:

42-How to add Dot Density of the map using ARCMAP?

Answer:

43-How to add the Charts of the map using ARCMAP?

Answer:

44- Explain how to use (Over layer Analysis and Union of two layers Union)?

Answer:

45-How to add the Bar/column charts of the map using ARCMAP?

Answer:

46-How to create shapefile?

Answer:

