

## Chapter 2 Test Bank Questions

1. GIS data that are descriptive and not location-based are:
  - a. Geospatial
  - b. Coordinate
  - c. Fixed
  - d. Non-Spatial**
  
2. In ArcMap, the spatial and non-spatial information about a layer is stored in its:
  - a. Attribute Table**
  - b. Spatial Field
  - c. Excel file
  - d. Parcel database
  
3. The rows of an attribute table represent:
  - a. Fields
  - b. Records**
  - c. Layers
  - d. Attributes
  
4. The columns of an attribute table represent:
  - a. Objects
  - b. Points
  - c. Records
  - d. Fields**
  
5. A map of the locations of car race winners displayed by their placement ranking is an example of which kind of data?
  - a. Nominal
  - b. Ordinal**
  - c. Interval
  - d. Ratio
  
6. A map of the locations of California four-year universities displayed by the average tuition costs is an example of which kind of data?
  - a. Nominal
  - b. Ordinal
  - c. Interval
  - d. Ratio**
  
7. Celsius temperature is an example of which kind of data?
  - a. Nominal
  - b. Ordinal
  - c. Interval**

- d. Ratio
8. Your phone number is an example of which kind of data?
- a. **Nominal**
  - b. Ordinal
  - c. Interval
  - d. Ratio
9. A map of the locations of the Great Lakes labeled with the name of each lake is showing which kind of data?
- a. **Nominal**
  - b. Ordinal
  - c. Interval
  - d. Ratio
10. In terms of joining tables, what does a key represent?
- a. The table that the data is being joined from
  - b. The single record being used to join the tables
  - c. **The field that the two tables have in common**
  - d. The internal relation in the database between the two tables
11. When a single record is linked to another single record in a join, what kind of join has occurred?
- a. Many-to-one join
  - b. One-to-many join
  - c. One-to-all join
  - d. **One-to-one join**
11. The total number of relational operators used in a simple query is:
- a. Zero
  - b. **One**
  - c. Two
  - d. Three
12. A connector such as =, >, or <= used in an SQL query in ArcGIS is referred to as a:
- a. Conditional operator
  - b. Fixed operator
  - c. **Relational operator**
  - d. Connecting operator
13. The format used in an SQL query in ArcGIS is:
- a. **Field, Operator, Value**
  - b. Field, Operator, Record(s)
  - c. Record(s), Operator, Value
  - d. Field, Value, Record(s)

14. What is the result of using AND in a compound query of two statements?

- a. **The results of the query will be the records that meet both query statements.**
- b. The results of the query will be the records that meet either one of the query statements.
- c. The results of the query will be the records that meet either one of the query statements but not the records that meet both statements.
- d. The results of the query will be the records that do not meet either one of the query statements.

15. What is the result of using OR in a compound query of two statements?

- a. The results of the query will be the records that meet both query statements.
- b. **The results of the query will be the records that meet either one of the query statements.**
- c. The results of the query will be the records that meet either one of the query statements but not the records that meet both statements.
- d. The results of the query will be the records that do not meet either one of the query statements.

16. A hyperlink in ArcGIS describes which of the following?

- a. A file that can be downloaded from the Internet into ArcMap
- b. A file that is joined to another geospatial layer or attribute table
- c. **A process used to connect geospatial features to other items, such as documents, files, photos, URLs, or scripts**
- d. A process that is used to insert a photo into a geodatabase

17. How are U.S. Census Bureau data used in GIS?

- a. TIGER/Line files come pre-loaded with all available attribute data.
- b. **Attribute data are acquired separately from Cartographic Boundary Files and then must be joined to those files.**
- c. Three different files must be linked together—TIGER/Line, Cartographic Boundary, and American Factfinder datasets
- d. All GIS data (geospatial and attribute) are available from the U.S. Census Bureau's American Factfinder