

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