**Chapter 01**

**Test Bank**

**Worksheet Questions**

1.

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| Define a GIS. |

no correct responses defined

*Gradable: manual  
Topic: Geographic Information System*

2.

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| GIS is often described as a tool for integrating data from different sources. Provide an example that supports the claim. |

no correct responses defined

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Topic: Geographic Information System*

3.

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| One of the components of a GIS is “organization.” Why? |

no correct responses defined

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Topic: Geographic Information System*

4.

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| Define “geospatial data.” |

no correct responses defined

*Gradable: manual  
Topic: Geospatial Data*

5.

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| List the major categories of GIS activities. |

no correct responses defined

*Gradable: manual*

6.

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| Explain how the vector data model differs from the raster data model in representing spatial features. |

no correct responses defined

*Gradable: manual  
Topic: Raster Data Model  
Topic: Vector Data Model*

7.

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| Explain how GIS and location-based services are linked. |

no correct responses defined

*Gradable: manual  
Topic: Location-Based Services*

8.

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| How does a GIS (e.g., ArcGIS for Desktop) differ from Google Maps? |

no correct responses defined

*Gradable: manual*

9.

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| What is “collaborative web mapping”? |

no correct responses defined

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Topic: Collaborative Web Mapping*

10.

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| Use an example to explain “volunteered geographic information.” |

no correct responses defined

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Topic: Volunteered Geographic Information*

11.

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| There is an increasing trend for the integration of Desktop GIS, Web, and mobile technologies. Describe an example of such development. |

no correct responses defined

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Topic: Geographic Information System*

12.

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| GIS software is only one of the elements of a GIS. |

**True**

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Topic: Geographic Information System*

13.

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| Operational GIS can be traced back to the 1960s. |

**True**

*Gradable: automatic  
Topic: Geographic Information System*

14.

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| An example of an open-source GIS is: |

**GRASS**

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Topic: Geographic Information System*

15.

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| Which of the following features is a discrete feature? |

**Roads**

*Gradable: automatic  
Topic: Raster Data Model  
Topic: Vector Data Model*

16.

|  |
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| Which of the following features is a continuous feature? |

**Only precipitation and elevation**

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Topic: Raster Data Model*

17.

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| Vector data are better suited for representing \_\_\_\_\_\_\_\_\_\_ features and raster data are better suited for representing \_\_\_\_\_\_\_\_\_\_ features. |

**discrete, continuous**

*Gradable: automatic  
Topic: Raster Data Model  
Topic: Vector Data Model*

18.

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| One can use both vector data and raster data in a GIS project. |

**True**

*Gradable: automatic  
Topic: Vector Data Model*

19.

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| Which of the following represents composite features? |

**TINs**

*Gradable: automatic  
Topic: Vector Data Model*

20.

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| One would normally begin with \_\_\_\_\_\_\_\_ in a GIS project: |

**data acquisition**

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Topic: Geographic Information System*

21.

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| ArcGIS users can convert data they create in GIS and use the data with Google Earth. |

**True**

*Gradable: automatic*

22.

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| Which of the following activities can take advantage of a GIS? |

**All of these choices are correct**

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Topic: Geographic Information System*

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| 23. Collaborative Web mapping is an example of Web 2.0. |

**True**

*Gradable: automatic*

*Topic: Collaborative Web Mapping*