1. A \_\_\_\_\_ is a framework for organizing, storing, and managing data that is comprised of files or tables that interact in various ways.

a. data structure  
b. data element

1. data mart
2. data item

Analysis:

a. Correct.

b. Incorrect. See [Page 348]

c. Incorrect. See [Page 348]

d. Incorrect. See [Page 348]

1. Structured \_\_\_\_\_ Language, which is generated by many database programs, allows client workstations to communicate with servers and mainframe computers.

a. Oriented  
b. Sequence

1. Data
2. Query

Analysis:

a. Incorrect. See [Page 352]

b. Incorrect. See [Page 352]

c. Incorrect. See [Page 352]

d. Correct.

1. \_\_\_\_\_ is software that can connect a database to the Web and enable data to be viewed and updated through a Web browser.
2. Schema
3. ASCII
4. Middleware
5. Unicode

Analysis:

a. Incorrect. See [Page 355]

b. Incorrect. See [Page 355]

c. Correct.

d. Incorrect. See [Page 355]

1. Establishing a relationship between two tables requires a \_\_\_\_\_ key field in one table to match a primary key value in another table.
2. combination
3. candidate
4. foreign
5. primary

Analysis:

a. Incorrect. See [Page 357]

b. Incorrect. See [Page 357]

c. Correct.

d. Incorrect. See [Page 357]

1. A(n) \_\_\_\_\_ relationship exists when one instance of the first entity can relate to many instances of the second entity, and one instance of the second entity can relate to many instances of the first entity.
2. one-to-many
3. many-to-many
4. one-to-one
5. ISO

Analysis:

a. Incorrect. See [Page 361]

b. Correct.

c. Incorrect. See [Page 361]

d. Incorrect. See [Page 361]

1. Most business-related databases must be designed in \_\_\_\_\_ normal form, which avoids the redundancy and data integrity problems that can exist in previous stages of the normalization process.
2. fourth
3. third
4. second
5. first

Analysis:

a. Incorrect. See [Page 365]

b. Correct.

c. Incorrect. See [Page 365]

d. Incorrect. See [Page 365]

1. A(n)\_\_\_\_\_ is a set of letters or numbers that represents a data item and can be used to simplify output, input, and data formats.
2. code
3. orphan
4. field
5. attribute

Analysis:

a. Correct.

b. Incorrect. See [Page 381]

c. Incorrect. See [Page 381]

d. Incorrect. See [Page 381]

1. \_\_\_\_\_ codes contain no additional information other than an indication of order of entry into the system.
2. Sequence
3. Action
4. Derivation
5. Category

Analysis:

a. Correct.

b. Incorrect. See [Page 381]

c. Incorrect. See [Page 381]

d. Incorrect. See [Page 381]

1. Most date formats are based on the model that was established by the \_\_\_\_\_, which requires a format of four digits for the year, two for the month, and two for the day.
2. DML
3. ISO
4. UML
5. JDBC

Analysis:

a. Incorrect. See [Page 389]

b. Correct.

c. Incorrect. See [Page 389]

d. Incorrect. See [Page 389]

1. Associating different permissions, also called \_\_\_\_\_, with different users is a method for protecting stored data by limiting access to files and databases.
2. normalization
3. audits
4. tuples
5. privileges

Analysis:

a. Incorrect. See [Page 390]

b. Incorrect. See [Page 390]

c. Incorrect. See [Page 390]

d. Correct.