1. The \_\_\_\_\_ is a widely used method of visualizing and documenting an information system.

a. BPM  
b. UML

1. O-O
2. ISO

Analysis:

a. Incorrect. See [Page 226]

b. Correct.

c. Incorrect. See [Page 226]

d. Incorrect. See [Page 226]

1. An object has certain \_\_\_\_\_, which are characteristics that describe the object.

a. attributes  
b. methods

1. messages
2. classes

Analysis:

a. Correct.

b. Incorrect. See [Page 226]

c. Incorrect. See [Page 226]

d. Incorrect. See [Page 226]

1. The black box concept is an example of \_\_\_\_\_, which means that all data and methods are self-contained.
2. polymorphism
3. inheritance
4. encapsulation
5. cardinality

Analysis:

a. Incorrect. See [Page 232]

b. Incorrect. See [Page 232]

c. Correct.

d. Incorrect. See [Page 232]

1. \_\_\_\_\_ enable objects to communicate and interact as they perform business functions and transactions required by the system.
2. Messages
3. Methods
4. Relationships
5. Activities

Analysis:

a. Incorrect. See [Page 234]

b. Incorrect. See [Page 234]

c. Correct.

d. Incorrect. See [Page 234]

1. A(n) \_\_\_\_\_ represents the steps in a specific business function or process.
2. superclass
3. use case
4. subclass
5. activity

Analysis:

a. Incorrect. See [Page 235]

b. Correct.

c. Incorrect. See [Page 235]

d. Incorrect. See [Page 235]

1. To create a(n) \_\_\_\_\_ diagram, the use case is reviewed and the classes that participate in the underlying business process are identified.
2. state transition
3. use case
4. activity
5. class

Analysis:

a. Incorrect. See [Page 238]

b. Incorrect. See [Page 238]

c. Incorrect. See [Page 238]

d. Correct.

1. The class diagram includes a concept called \_\_\_\_\_, which describes how instances of one class relate to instances of another class.
2. cardinality
3. polymorphism
4. inheritance
5. state transition

Analysis:

a. Correct.

b. Incorrect. See [Page 238]

c. Incorrect. See [Page 238]

d. Incorrect. See [Page 238]

1. A(n) \_\_\_\_\_ represents the time during which the object above it is able to interact with the other objects in the use case.
2. class
3. message
4. lifeline
5. focus

Analysis:

a. Incorrect. See [Page 240]

b. Incorrect. See [Page 240]

c. Correct.

d. Incorrect. See [Page 240]

1. A(n) \_\_\_\_\_ indicates when an object sends or receives a message and is identified by a narrow vertical shape that covers the lifeline.
2. focus
3. activity
4. instance
5. subclass

Analysis:

a. Correct.

b. Incorrect. See [Page 241]

c. Incorrect. See [Page 241]

d. Incorrect. See [Page 241]

1. Business process modeling works well with object modeling, because both methods focus on the \_\_\_\_\_ and the way they behave.
2. pools
3. parents
4. children
5. actors

Analysis:

a. Incorrect. See [Page 242]

b. Incorrect. See [Page 242]

c. Incorrect. See [Page 242]

d. Correct.