

1  
CORRECT

Which of these is not an element of a requirements model?

- ✓
- ☐ A) Behavioral elements
  - ☐ B) Class-based elements
  - ☒ C) Data elements
  - ☐ D) Scenario-based elements

**Feedback: (Section 9.1)**

2  
CORRECT

Which of the following is not an objective for building a requirements model?

- ✓
- ☐ A) define set of software requirements that can be validated
  - ☐ B) describe customer requirements
  - ☒ C) develop an abbreviated solution for the problem
  - ☐ D) establish basis for software design

**Feedback: (Section 9.1.1)**

3  
CORRECT

Object-oriented domain analysis is concerned with the identification and specification of reusable capabilities within an application domain.

- ✓
- ☒ A) True
  - ☐ B) False

**Feedback: (Section 9.1.3)**

4  
CORRECT

In structured analysis models focus on the structure of the classes defined for a system along with their interactions.

- ✓
- ☐ A) True
  - ☒ B) False

**Feedback: (Section 9.1.4)**

5  
CORRECT

Creation and refinement of use cases is an important part of scenario-based modeling.

- ✓
- ☒ A) True
  - ☐ B) False

**Feedback: (Section 9.2)**

6  
CORRECT

It is important to consider alternative actor interactions when creating a preliminary use case.

- ✓
- ☐ A) True
  - ☒ B) False

**Feedback: (Section 9.2.1)**

7  
CORRECT

Brainstorming is one technique that may be used to derive a complete set of use case exceptions.

- ✓
- ☒ A) True
  - ☐ B) False

**Feedback: (Section 9.2.2)**

8  
CORRECT

In many cases there is no need to create a graphical representation of a usage scenario.

- ✓ ☐ A) True  
☐ B) False

**Feedback: (Section 9.2.3)**

**9  
CORRECT**

UML activity diagrams are useful in representing which analysis model elements?

- ☐ A) Behavioral elements  
☐ B) Class-based elements  
☐ C) Flow-based elements  
✓ ☒ D) Scenario-based elements

**Feedback: (Section 9.3.1)**

**10  
CORRECT**

UML swimlane diagrams allow you to represent the flow of activities by showing the actors having responsibility for creating each data element.

- ☐ A) True  
✓ ☒ B) False

**Feedback: (Section 9.3.2)**

**1  
CORRECT**

Which of these is not an element of a requirements model?

- ☐ A) Behavioral elements  
☐ B) Class-based elements  
✓ ☒ C) Data elements  
☐ D) Scenario-based elements

#### Section 6.1.3

**3  
CORRECT**

Object-oriented domain analysis is concerned with the identification and specification of reusable capabilities within an application domain.

- ✓ ☒ A) True  
☐ B) False

#### Section 6.1.4

**4  
CORRECT**

In structured analysis models focus on the structure of the classes defined for a system along with their interactions.

- ☐ A) True



☐ **B)** False

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## Section 6.2

**5**  
**CORRECT**



Creation and refinement of use cases is an important part of scenario-based modeling.

- ☒ **A)** True  
☐ **B)** False

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## Section 6.2.1

**6**  
**CORRECT**



It is important to consider alternative actor interactions when creating a preliminary use case.

- ☒ **A)** True  
☐ **B)** False

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**10**  
**CORRECT**



One or more attributes of a data object must be defined as a key to allow the location of an instance of the data object.

- ☒ **A)** True  
☐ **B)** False

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## Section 6.4.3

**11**  
**CORRECT**



The entity relationship diagram

- ☒ **A)** depicts relationships between data objects  
☐ **B)** depicts functions that transform the data flow  
☐ **C)** indicates how data are transformed by the system  
☐ **D)** indicates system reactions to external events

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## Section 6.5.1

**12**  
**CORRECT**



Which of the following should be considered as candidate objects in a problem space?


- ☐ **A)** events  
☐ **B)** people  
☐ **C)** structures  
☒ **D)** all of the above

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Section 6.5.2

**13**  
**INCORRECT**

Attributes are chosen for an object by examining the problem statement and identifying the entities that appear to be related.


-  ☐ **A)** True  
☐ **B)** False

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Section 6.5.3

**14**  
**CORRECT**

Which of the following is not one of the broad categories used to classify operations?


-  ☐ **A)** computation  
☐ **B)** data manipulation  
☐ **C)** event monitors  
☐ **D)** transformers

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Section 6.5.4

**15**  
**CORRECT**

Which of the following items does not appear on a CRC card?


-  ☐ **A)** class collaborators  
☐ **B)** class name  
☐ **C)** class reliability  
☐ **D)** class responsibilities

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Section 6.5.4

**16**  
**CORRECT**

Class responsibilities are defined by

-  ☐ **A)** its attributes only  
☐ **B)** its collaborators  
☐ **C)** its operations only  
☐ **D)** both its attributes and operations

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Section 6.5.6

**17**  
**CORRECT**

An analysis package involves the categorization of analysis model elements into useful groupings.



**A)** True



**B)** False

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