▸ ▸ ▸ **Module 3a**
VM Quiz Show

Essentials of Visual Modeling with UML 2.0
Module 3a: VM Quiz Show

Rational. software

Question

Question

Object technology is . . . ?

A. A set of principles guiding software construction.

B. A new theory striving to gain acceptance.

C. A dynamic new language by Grady Booch.

D. Based on the principles of abstraction and modularity.

Answer: A

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Question

Question

A model . . .?

    A. Is not necessary when team members understand their job.

    B. Has to be structural AND behavioral.

    C. Is a simplification of reality.

    D. Is an excuse for building an elaborate plan.

Answer: C

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Question

Question

Why do we model?

  A. Helps to visualize a system
  B. Gives us a template for constructing
       a system
  C. Documents our decisions
  D. All of the above

Answer: D

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Question

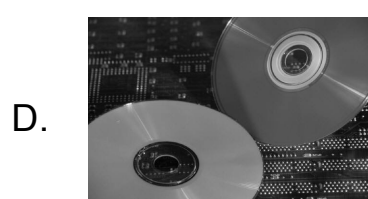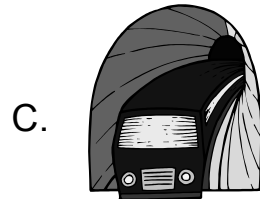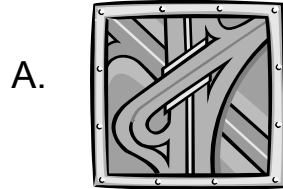| Question |
| --- |
| The best models are connected to . . .?

A. Java-script code
B. Reality
C. C ++
D. Issues that tie it to an object-
oriented developer

Answer: B

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Question

Question

Which project would be least likely to require a model?

A.

B.

C.

D.

Answer: B

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Question

Question

Which principles of modeling are correct?
 	
  A. The model you create, influences how the problem is attacked.
  B. The best kinds of models are those that let you chose your degree of detail.
  C. The best models are connected to reality.
  D. Create models that are built and studied separately.
 	
Answer: A, B, C and D
 	
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Question

Question

Views are "slices" of architecture. Which view focuses on structural issues?

A. Use case
B. Process
C. Implementation
D. Logical

Answer: D

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Question

Question

Which process characteristic is not essential
to working with the UML?

    A. Iterative and incremental
    B. Use-case driven
    C. Resilient
    D. Architecture-centric

Answer: C

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Question

Question

The state of an object . . .?

A. Is defined by a "state" attribute or set of attributes.

B. Does not normally change over time.

C. Is defined by an object's attributes and relationships.

D. Is the only condition in which an object may exist.

Answer: C

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State of an object is defined by the total of an object's attributes and links. For example, if Professor Clark's status changed from tenured to retired, the state of the Professor Clark object changes.

Question

Question

The visible behavior of an object is modeled
by its . . .?

A. Attributes
B. Responsibilities
C. Operations
D. Methods

Answer: C

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Objects are intended to mirror the concepts that they are modeled after, including
behavior.

Question

Question

Encapsulation . . . ?

    A. Allows direct manipulation of things that have been encapsulated.

    B. Is often referred to as information hiding.

    C. Causes costly and extensive maintenance.

    D. Causes changes to affect clients during implementation.

Answer: B

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Question

Question
What happens when you incorporate modularity into your plan?

> What happens when you incorporate modularity into your plan?
>
>   A. It reduces something complex into manageable pieces.
>   B. It builds modules that talk to each other.
>   C. Creates systems too large to understand.
>   D. Parts of your system cannot be independently developed.
>
> Answer: A
>
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Question

Question

A class . . . ?
 	
    A. Is an encapsulation of an object.
    B. Represents the hierarchy of an object.
    C. Is an instance of an object.
    D. Is an abstract definition of an object.
 	
    Answer: D
 	
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A class is a description of a set of objects that share the same attributes, operations, relationships, and semantics.

A class is not an object. It is an abstract definition of an object. It defines the structure and behavior of each object in the class.

Question

Question

Polymorphism can be described as?

A. Hiding many different implementations behind one interface
B. Inheritance
C. Information placing
D. Generalization

Answer: A

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Question

Question

What phrase best represents a generalization
relationship?

    A. "Is a part of"
    B. "Is a kind of"
    C. "Is a replica of"
    D. "Is an inheritance of"

Answer: B

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Question

Question

Which of the following would you use to organize elements into groups?
 	
    A. Package
    B. Class
    C. Encapsulation
    D. Generalization
 	
Answer: A
 	
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