

Question 1

1 out of 1 points

The ____ class acts as a switchboard between the view layer and the domain layer.

Selected Answer: ☒ control

Correct Answer: ☒ control

Question 2

1 out of 1 points

A(n) ____ diagram is a diagram showing the sequence of messages between an external actor and the system during a use case or scenario.

Selected Answer: ☒ system sequence

Correct Answer: ☒ system sequence

Question 3

1 out of 1 points

In a singleton template, all constructors should be specified as public.

Selected Answer: ☒ False

Correct Answer: ☒ False

Question 4

0 out of 1 points

In OO design, which of the following steps follows the development of interaction diagrams?

Selected Answer: ☒ Develop a statechart diagram.

Correct Answer: ☒ Develop method names in the design class diagram.

Question 5

0 out of 1 points

Communication diagrams are useful for showing a view of the use case that emphasizes ____.

Selected Answer: ☒ object responsibility

Correct Answer: ☒ coupling

Question 6

1 out of 1 points

Navigation visibility can only occur in one direction.

Selected Answer: ☒ False

Correct Answer: ☒ False

Question 7

1 out of 1 points

A sequence diagram usually provides complete information about the internal details of a method.


Selected Answer: ☒ False

Correct Answer: ☒ False

Question 8

1 out of 1 points

Dependency relationships are only used on package diagrams.


Selected Answer:  False


Correct Answer:  False

Question 9

0 out of 1 points

In a design class diagram, properties of attributes are placed in curly braces.

Selected Answer:  False

Correct Answer:  True

Question 10

0 out of 1 points

In an adaptive approach, a complete, formal set of design documents is developed before programming begins.


Selected Answer:  True

Correct Answer:  False

Question 11

1 out of 1 points

In design class notation, a(n) plus sign indicates that an attribute is private.

Selected Answer:  False

Correct Answer:  False

Question 12

1 out of 1 points

A message on a sequence diagram, a(n) _____ on a statechart diagram, and a method signature in a design class are very closely related.


Selected Answer:  transition trigger


Correct Answer:  transition trigger

Question 13

1 out of 1 points

The UML class diagram notation for a superclass and subclass is a _____.

Selected Answer:  small triangle on the line that points to the superclass


Correct Answer:  small triangle on the line that points to the superclass

Question 14

1 out of 1 points

A design class diagram specifies the attributes and methods for a class.

Selected Answer:  True

Correct Answer:  True

Question 15

1 out of 1 points

Coupling must always be considered from the perspective of the entire system.

Selected Answer: ☒ True

Correct Answer: ☒ True

Question 16

1 out of 1 points

In a communication diagram, a(n) _____ is used when messages are dependent on other messages.

Selected Answer: ☒ hierarchical dot numbering scheme

Correct Answer: ☒ hierarchical dot numbering scheme

Question 17

1 out of 1 points

In a class symbol, the top section lists the important methods of the class.

Selected Answer: ☒ False

Correct Answer: ☒ False

Question 18

1 out of 1 points

_____ patterns are patterns that help assign responsibilities to classes to instantiate new objects.

Selected Answer: ☒ Creational

Correct Answer: ☒ Creational

Question 19

1 out of 1 points

The two primary enterprise platforms, Java and .NET, have developed sets of enterprise patterns.

Selected Answer: ☒ True

Correct Answer: ☒ True

Question 20

1 out of 1 points

Windows classes and other classes associated with the user interface are examples of _____ classes.

Selected Answer: ☒ boundary


Correct Answer: ☒ boundary

Question 21

1 out of 1 points

Which of the following notations denotes a one or more (mandatory) association in a class diagram?


Selected Answer: ☒ 1..*


Correct Answer:  1..*

Question 22

1 out of 1 points

The ____ pattern provides a solution in which the class itself controls the creation of only one instance.


Selected Answer:  singleton

Correct Answer:  singleton

Question 23

1 out of 1 points

____ methods retrieve and update attribute values.

Selected Answer:  Get and set

Correct Answer:  Get and set

Question 24

1 out of 1 points

SSDs are used in conjunction with detailed descriptions or activity diagrams to show processing steps and interactions between the actors and the system.


Selected Answer:  True

Correct Answer:  True

Question 25

1 out of 1 points

Communication diagrams and sequence diagrams capture different types of information.


Selected Answer:  False


Correct Answer:  False

Question 26

1 out of 1 points

____ is a qualitative measure of the consistency of functions within a single class.


Selected Answer:  Cohesion


Correct Answer:  Cohesion

Question 27

1 out of 1 points

When implementing an adapter pattern, using a(n) ____ class is useful to specify and enforce the use of the correct method names.


Selected Answer:  interface


Correct Answer:  interface

Question 28

0 out of 1 points

During the design discipline, analysts extend the system sequence diagram by modifying the ____ object to include all of the interacting user-interface, problem domain, and database access objects.


Selected Answer:  :Actor


Correct Answer:  :System

Question 29

1 out of 1 points

A ____ diagram is a type of implementation diagram that shows the physical components across different locations.

Selected Answer:  deployment


Correct Answer:  deployment

Question 30

1 out of 1 points

Regardless of the specific implementation approach, the controller pattern requires a separate, specified class.


Selected Answer:  True

Correct Answer:  True

Question 31

1 out of 1 points

The notation for a stereotype is the name of the type placed within brackets.


Selected Answer:  False

Correct Answer:  False

Question 32

1 out of 1 points

Most of the method signatures in a design class diagram are developed during the design of the interaction diagrams.

Selected Answer:  True

Correct Answer:  True

Question 33

1 out of 1 points

A dependency relationship is represented by a ____.


Selected Answer:  dashed arrow

Correct Answer:  dashed arrow

Question 34

1 out of 1 points

In an SSD, a(n) dashed arrow is used to indicate a response or return message.

Selected Answer:  True

Correct Answer:  True

Question 35

1 out of 1 points

A class-level method (static or shared method) is placed in curly braces in a design class diagram.

Selected Answer: ☒ False

Correct Answer: ☒ False

Question 36

1 out of 1 points

In a design class diagram, class-level methods are denoted with a(n) underline.

Selected Answer: ☒ True

Correct Answer: ☒ True

Question 37

1 out of 1 points

_____ is a design principle of objects in which both data and program logic are included within a single self-contained unit.

Selected Answer: ☒ Encapsulation

Correct Answer: ☒ Encapsulation

Question 38

1 out of 1 points

In an SSD, the system is treated as a black box.

Selected Answer: ☒ True

Correct Answer: ☒ True

Question 39

1 out of 1 points

A(n) method signature shows all of the information needed to invoke, or call, the method.

Selected Answer: ☒ True

Correct Answer: ☒ True

Question 40

1 out of 1 points

A(n) _____ causes a transition trigger to fire.

Selected Answer: ☒ message

Correct Answer: ☒ message

Question 41

1 out of 1 points

A _____ can be thought of as a computer or a bank of computers representing a single computing resource.

Selected Answer: ☒ node

Correct Answer: ☒ node

Question 42

1 out of 1 points

The third compartment of a design class diagram contains the ____.

Selected Answer: ☒ method signature information

Correct Answer: ☒ method signature information

Question 43

1 out of 1 points

The methods of a class are the behaviors all objects in the class are capable of doing.

Selected Answer: ☒ True

Correct Answer: ☒ True

Question 44

1 out of 1 points

____ patterns provide solutions to problems related to the way internal system processes execute.

Selected Answer: ☒ Behavioral

Correct Answer: ☒ Behavioral

Question 45

0 out of 1 points

In a design class diagram, an attribute preceded by a forward slash (/) means that the attribute is calculated rather than stored.

Selected Answer: ☒ False

Correct Answer: ☒ True

Question 46

1 out of 1 points

If each use case design has a reasonable level of coupling, the entire system will, too.

Selected Answer: ☒ True

Correct Answer: ☒ True

Question 47

1 out of 1 points

In a detailed sequence diagram, the return values and passed parameters of a message can be either attributes or objects from classes.

Selected Answer: ☒ True


Correct Answer: ☒ True

Question 48

1 out of 1 points

In a deployment diagram, a component consists of a(n) ____.

Selected Answer: ☒ rectangle with two smaller rectangles protruding from one side

Correct Answer:  rectangle with two smaller rectangles protruding from one side

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