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**Time taken** 24 mins 7 secs

**Grade** **28.00** out of 30.00 (**93%**)

### Question 1

Correct

Mark 1.00 out of 1.00

To hide the internal implementation of an object we use

- ☐ A. inheritance
- ☒ B. encapsulation
- ☐ C. polymorphism
- ☐ D. none of these



Your answer is correct.

The correct answer is:  
encapsulation

### Question 2

Correct

Mark 1.00 out of 1.00

The time oriented diagram include

- ☐ A. classes
- ☐ B. none of these
- ☐ C. Activity
- ☒ D. sequence



Your answer is correct.

The correct answer is:  
sequence

**Question 3**

Correct

Mark 1.00 out of 1.00

A decision point within an activity diagram may be shown with an activity symbol.

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.

**Question 4**

Correct

Mark 1.00 out of 1.00

Aggregation is ...

- ☐ a. set of relationship
- ☒ b. composed of relationship ✓
- ☐ c. part of relationship
- ☐ d. all of these

Your answer is correct.

The correct answer is:  
composed of relationship

**Question 5**

Correct

Mark 1.00 out of 1.00

Refinement is a process of

- ☐ A. inheritance
- ☒ B. elaboration ✓
- ☐ C. collaboration
- ☐ D. polymorphism

Your answer is correct.

The correct answer is:  
elaboration

**Question 6**

Correct

Mark 1.00 out of 1.00

What is the programming style of the object oriented conceptual model?

- ☐ A. Invariant relationships
- ☐ B. Goals, often expressed in a predicate calculus.
- ☒ C. Classes and objects
- ☐ D. Algorithms



Your answer is correct.

The correct answer is:  
Classes and objects

**Question 7**

Correct

Mark 1.00 out of 1.00

The process of compartmentalizing the elements of an abstraction that constitute its structure and behavior is called as

- ☐ a. Hierarchy
- ☒ b. Encapsulation
- ☐ c. Entity Abstraction
- ☐ d. Modularity



Your answer is correct.

The correct answer is:  
Encapsulation

**Question 8**

Incorrect

Mark 0.00 out of 1.00

The expansion of the acronym CRC is

- ☐ A. Collaborating with Relevant Classes
- ☐ B. Class Responsibilities and Collaborators
- ☐ C. Creating Relevant Classes
- ☒ D. Collecting Responsibilities Classes

✗

Your answer is incorrect.

The correct answer is:

Class Responsibilities and Collaborators

**Question 9**

Incorrect

Mark 0.00 out of 1.00

In CRC based design a CRC team consists of

- (i) one or two user's representatives
- (ii) several programmers
- (iii) project coordinators
- (iv) one or two system analysts

- ☐ A. i, ii
- ☒ B. i, iii
- ☐ C. i, iii, iv
- ☐ D. i, ii, iii, iv

✗

Your answer is incorrect.

The correct answer is:

i, iii, iv

**Question 10**

Correct

Mark 1.00 out of 1.00

The method of design encompassing the process of object oriented decomposition and a notation for depicting both logical and physical and as well as static and dynamic models of the system under design is known as:

- ☐ a. Object- Oriented Analysis
- ☒ b. Object- Oriented Design
- ☐ c. Object- Oriented Programming
- ☐ d. None of the mentioned



Your answer is correct.

The correct answer is:

Object- Oriented Design

**Question 11**

Correct

Mark 1.00 out of 1.00

Single inheritance, Multiple inheritance, and Aggregation comes under

- ☐ A. Modularity
- ☐ B. Typing
- ☒ C. Hierarchy
- ☐ D. None of the mentioned



Your answer is correct.

The correct answer is:

Hierarchy

**Question 12**

Correct

Mark 1.00 out of 1.00

Which of the following statements about Persistence is correct?

b) It is the property of an object through which its existence transcends time and/or space.

c) It is the property that distinguishes an active object from one that is not active.

d) All of the mentioned

- ☐ a. It is the property that distinguishes an active object from one that is not active.
- ☐ b. It is the enforcement of the class of an object, such that objects of different types may not be interchanged, or at the most they may be interchanged only in very restricted ways.
- ☐ c. All of the mentioned
- ☒ d. It is the property of an object through which its existence transcends time and/or space.



Your answer is correct.

The correct answer is:

It is the property of an object through which its existence transcends time and/or space.

**Question 13**

Correct

Mark 1.00 out of 1.00

What is that concept in type theory in which a single name may denote objects of many different classes that are related by some common super class referred to

- ☐ A. Monomorphis
- ☒ B. Polymorphism
- ☐ C. Type Checking
- ☐ D. Generalization



Your answer is correct.

The correct answer is:

Polymorphism

**Question 14**

Correct

Mark 1.00 out of 1.00

Object oriented analysis and design can be handled by the one who knows UML.

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

**Question 15**

Correct

Mark 1.00 out of 1.00

At Conceptual level Class diagrams should include

- ☐ A. both operations and attributes
- ☐ B. operations only
- ☒ C. attributes only ✓
- ☐ D. none of the mentioned

Your answer is correct.

The correct answer is:  
attributes only

**Question 16**

Correct

Mark 1.00 out of 1.00

What is an object?

- ☒ A. An object is an instance of a class ✓
- ☐ B. An object is not an instance of a class
- ☐ C. All of the mentioned
- ☐ D. An object includes encapsulation of data

Your answer is correct.

The correct answer is:  
An object is an instance of a class

**Question 17**

Correct

Mark 1.00 out of 1.00

UML interfaces are used to:

- ☐ A. define executable logic to reuse across classes
- ☐ B. define an API for all classes
- ☐ C. program in Java, but not in C++ or Smalltalk
- ☒ D. specify required services for types of objects



Your answer is correct.

The correct answer is:

specify required services for types of objects

**Question 18**

Correct

Mark 1.00 out of 1.00

Which of the following UML diagrams has a static view?

- ☐ A. State chart
- ☐ B. Collaboration
- ☒ C. Use case
- ☐ D. Activity



Your answer is correct.

The correct answer is:

Use case

**Question 19**

Correct

Mark 1.00 out of 1.00

Which diagram in UML shows a complete or partial view of the structure of a modeled system at a specific time?

- ☐ A. Collaboration Diagram
- ☐ B. Sequence Diagram
- ☐ C. Class Diagram
- ☒ D. Object Diagram



Your answer is correct.

The correct answer is:

Object Diagram



**Question 20**

Correct

Mark 1.00 out of 1.00

Interaction Diagram is a combined term for

- ☐ A. Activity Diagram + State Chart Diagram
- ☐ B. None of the mentioned
- ☒ C. Sequence Diagram + Collaboration Diagram
- ☐ D. Deployment Diagram + Collaboration Diagram



Your answer is correct.

The correct answer is:

Sequence Diagram + Collaboration Diagram

**Question 21**

Correct

Mark 1.00 out of 1.00

Structure diagrams emphasize the things that must be present in the system being modeled.

Select one:

- ☒ True 
- ☐ False

The correct answer is 'True'.

**Question 22**

Correct

Mark 1.00 out of 1.00

Use case description contents include

- ☐ A. Use case name and number
- ☐ B. Actors
- ☐ C. Stakeholder and needs
- ☒ D. All of the mentioned



Your answer is correct.

The correct answer is:

All of the mentioned

**Question 23**

Correct

Mark 1.00 out of 1.00

Which of these statements are truly acceptable?

- ☐ a. None of the mentioned
- ☒ b. Trigger is an event which cause a use case to begin
- ☐ c. A precondition is an assertion guaranteed to be true when the activity or operation finishes
- ☐ d. A post condition is an assertion guaranteed to be true when the activity or operation begins



Your answer is correct.

The correct answer is:

Trigger is an event which cause a use case to begin

**Question 24**

Correct

Mark 1.00 out of 1.00

What is the programming style of the object oriented conceptual model?

- ☐ A. Invariant relationships
- ☐ B. Goals, often expressed in a predicate calculus.
- ☐ C. Algorithms
- ☒ D. Classes and objects



Your answer is correct.

The correct answer is:

Classes and objects

**Question 25**

Correct

Mark 1.00 out of 1.00

The essential characteristics of an object that distinguish it from all other kinds of objects and thus provide crisply defined conceptual boundaries, relative to the perspective of the viewer is called:

- ☐ A. Hierarchy
- ☐ B. Modularity
- ☒ C. Abstraction
- ☐ D. Encapsulation



Your answer is correct.

The correct answer is:  
Abstraction

**Question 26**

Correct

Mark 1.00 out of 1.00

Select the statement true for activity diagrams.

- ☐ A. Activity diagram do not tell who does what and are difficult to trace back to object models
- ☐ B. They can be used to discover parallel activities
- ☐ C. They are used to depict workflow for a particular business activity
- ☒ D. All of the mentioned



Your answer is correct.

The correct answer is:  
All of the mentioned

**Question 27**

Correct

Mark 1.00 out of 1.00

Which of the following points related to Object-oriented development (OOD) is true?

- ☒ a. All of the mentioned
- ☐ b. OOA is concerned with developing an object model of the application domain
- ☐ c. None of the mentioned
- ☐ d. OOD is concerned with developing an object-oriented system model to implement requirements



Your answer is correct.

The correct answer is:

All of the mentioned

**Question 28**

Correct

Mark 1.00 out of 1.00

Objects are executed

- ☐ A. in Parallel
- ☐ B. sequentially
- ☐ C. none of the mentioned
- ☒ D. sequentially & Parallel



Your answer is correct.

The correct answer is:

sequentially & Parallel

**Question 29**

Correct

Mark 1.00 out of 1.00

Which of the following describes "Is-a-Relationship" ?

- ☒ A. Inheritance
- ☐ B. Aggregation
- ☐ C. All of the mentioned
- ☐ D. Dependency



Your answer is correct.

The correct answer is:  
Inheritance

**Question 30**

Correct

Mark 1.00 out of 1.00

What is incorrect among the following?

- ☐ A. Achieve a stakeholder goal in a usecase
- ☐ B. Make use cases that uniform in size and complexity
- ☐ C. Organize use cases by actor, problem domain categories or SOLUTION categories
- ☒ D. Use cases can last for more than one session



Your answer is correct.

The correct answer is:  
Use cases can last for more than one session

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