

Status Finished**Started** Friday, 4 October 2024, 3:23 PM**Completed** Friday, 4 October 2024, 3:25 PM**Duration** 2 mins 2 secs**Grade** 10.00 out of 10.00 (100%)

Question 1

Correct

Mark 1.00 out of 1.00

Which of the following IS NOT correct in a generalization relationship?

Select one:

- ☐ a. All child classes of the same parent class may have the same set of methods
- ☐ b. A child class inherits all properties of the parent class.
- ☒ c. The parent class can perform a method that is only defined in the child class. ✓
- ☐ d. A method in the parent class can be, in general, re-defined in a child class.

Correct

Marks for this submission: 1.00/1.00.

Question 2

Correct

Mark 1.00 out of 1.00

Which of the following relationship can not be in a class diagram?

Select one:

- ☒ a. Order ✓
- ☐ b. Generalization
- ☐ c. Association
- ☐ d. Aggregation

Correct

Marks for this submission: 1.00/1.00.



Question 3

Correct

Mark 1.00 out of 1.00

Structural models _____ .

Select one:

- ☐ a. Display the organization of a system in terms of the components that make up that system and their relationships.
- ☐ b. Can be a class diagram.
- ☐ c. Can be a package diagram
- ☒ d. All the other answers are correct. ✓

Correct

Marks for this submission: 1.00/1.00.

Question 4

Correct

Mark 1.00 out of 1.00

Which of the following diagrams represents behavioral perspective?

Select one:

- ☐ a. Sequence.
- ☐ b. Collaboration/Communication.
- ☐ c. Use-case.
- ☒ d. State-chart. ✓

Correct

Marks for this submission: 1.00/1.00.



Question 5

Correct

Mark 1.00 out of 1.00

State-chart diagrams _____ .

Select one:

- ☐ a. All the other answers are correct.
- ☐ b. Models interaction models.
- ☒ c. Show system states and the transitions from one state to another state, ✓
- ☐ d. Consists of only simple states (simple state consists of no other states).

Correct

Marks for this submission: 1.00/1.00.

Question 6

Correct

Mark 1.00 out of 1.00

Class diagrams _____ .

Select one:

- ☐ a. Show the relationship between classes.
- ☒ b. All the other answers are correct. ✓
- ☐ c. Consist of classes, each defines a component of the system.
- ☐ d. Represent the structural perspective.

Correct

Marks for this submission: 1.00/1.00.



Question 7

Correct

Mark 1.00 out of 1.00

UML language _____ .

Select one:

- ☐ a. Cannot be used in modeling states/state-chart of a system or components.
- ☐ b. Can be used directly in programming as an object-oriented programming language.
- ☐ c. Cannot be used in systems modeling.
- ☒ d. Supports object-oriented software development. ✓

Correct

Marks for this submission: 1.00/1.00.

Question 8

Correct

Mark 1.00 out of 1.00

Behavioral models _____ .

Select one:

- ☐ a. Show what happens or what is supposed to happen when a system responds to a stimulus from its environment.
- ☒ b. All the other answers are correct. ✓
- ☐ c. Can be represented using state-chart diagrams
- ☐ d. Models dynamic behavior of a system as it is executing.

Correct

Marks for this submission: 1.00/1.00.



Question 9

Correct

Mark 1.00 out of 1.00

Which of the following about activity diagram is NOT correct?

Select one:

- ☐ a. Can represent decision and concurrency.
- ☒ b. Cannot show the responsibilities of actors/systems using swimming lane. ✓
- ☐ c. A special state-chart diagram to show the flows of activity in the system.
- ☐ d. Consists of activities and transitions between activities.

Correct

Marks for this submission: 1.00/1.00.

Question 10

Correct

Mark 1.00 out of 1.00

Which of the following diagrams represents structural perspective?

Select one:

- ☐ a. All the other answers are correct.
- ☐ b. Collaboration/Communication.
- ☐ c. Activity.
- ☒ d. Class. ✓

Correct

Marks for this submission: 1.00/1.00.

