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Grade 4.00 out of 10.00 (40%)

Question 1

Correct

Mark 1.00 out of 1.00

Which of the following choices of Observer, Iterator, Decorator is the best?

Select one:

- a. Notify multiple object about the changes of an object: Observer
- b. Provide a way to access the elements of an aggregate object sequentially without exposing its underlying representation: Iterator
- c. The choices in all of the other answers are all good.✓
- d. Allow to extend functions of a class at run-time: Decorator

The correct answer is: The choices in all of the other answers are all good.

Question 2

Incorrect

Mark 0.00 out of 1.00

Which of the following choices of Client-server, Facade, Iterator is the best?

Select one:

- a. Provide a way to access the elements of an aggregate object sequentially without exposing its underlying representation: Iterator
- b. Notify multiple object about the changes of an object: Client-server
- c. The choices in all of the other answers are all good.✗
- d. Extend the (module/component) interface of a developing object: Facade

The correct answer is: Provide a way to access the elements of an aggregate object sequentially without exposing its underlying representation: Iterator

Question 3

Correct

Mark 1.00 out of 1.00

Which of the following choices of MVC, Adapter is the best?

Select one:

- a. Separate models, views, and controllers: MVC (model-view-controller)
- b. Change the name or make new interface for an old object: Adapter
- c. Make new (composite) method from incompatible methods: Adapter
- d. The choices in all of the other answers are all good.✓

The correct answer is: The choices in all of the other answers are all good.

Question 4

Correct

Mark 1.00 out of 1.00

Which of the following in software detail design is correct?

Select one:

- a. There may be more than one view class controlled by a single controller class in MVC model.
- b. In working with data, we need to design (describe) data loading/storing operators/methods.
- c. In separating model-view-controller (as in MVC model), all classes for model, view and controller shall be designed (described).
- d. All the other answers are correct.✓

The correct answer is: All the other answers are correct.

Question 5

Incorrect

Mark 0.00 out of 1.00

The design pattern Adapter ____ .

Select one:

- a. All of the other answers are correct.✗
- b. Reduce dependencies of outside code on the inner workings of a library,
- c. Adapts the interface of an (already existing) class without changing it.
- d. Wrap a poorly designed collection of APIs with a single well-designed API.

The correct answer is: Adapts the interface of an (already existing) class without changing it.

Question 6

Incorrect

Mark 0.00 out of 1.00

The design pattern Decorator ____.

Select one:

- a. All of the other answers are correct. 
- b. Responsibilities should be added to (and removed from) an object dynamically at run-time.
- c. Ensures that a class has only one instance and allows the instance of the class be accessed easily.
- d. Reduce dependencies of outside code on the inner workings of a library,

The correct answer is: Responsibilities should be added to (and removed from) an object dynamically at run-time.

Question 7

Incorrect

Mark 0.00 out of 1.00

The design pattern Singleton ____.

Select one:

- a. Ensures that a class has only one instance and allows the instance of the class be accessed easily.
- b. All of the other answers are correct. 
- c. Reduce dependencies of outside code on the inner workings of a library,
- d. Wrap a poorly designed collection of APIs with a single well-designed API.

The correct answer is: Ensures that a class has only one instance and allows the instance of the class be accessed easily.

Question 8

Incorrect

Mark 0.00 out of 1.00

Which of the following choices of Observer, Facade, Decorator is the best?

Select one:

- a. Extend the (module/component) interface of a developing object: Facade
- b. The choices in all of the other answers are all good. 
- c. Notify multiple object about the changes of an object: Observer
- d. Separate models, views, and controllers: Decorator

The correct answer is: Notify multiple object about the changes of an object: Observer

Question 9

Incorrect

Mark 0.00 out of 1.00

Which of the following choices of Decorator, Facade, Interpreter is the best?

Select one:

- a. Reduce the (module/component) interface of a developing object: Facade
- b. Separate data and controller: Decorator
- c. The choices in all of the other answers are all good. ✗
- d. Provide a way to access the elements of an aggregate object sequentially without exposing its underlying representation: Interpreter

The correct answer is: Reduce the (module/component) interface of a developing object: Facade

Question 10

Correct

Mark 1.00 out of 1.00

The design pattern Facade ____.

Select one:

- a. Wrap a poorly designed collection of APIs with a single well-designed API.
- b. Reduce dependencies of outside code on the inner workings of a library, since most code uses the Facade, thus allowing more flexibility in developing the system.
- c. All of the other answers are correct. ✓
- d. Provides a simplified interface to a larger body of code, such as a class library.

The correct answer is: All of the other answers are correct.

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