

Exam Code: 000-834

Exam Name: Object Oriented Analysis and Design -
Part2(Design)

Vendor: IBM

Version: DEMO

Part: A

1: Which statement is true about elements within the subsystem and public visibility?

- A. Only the subset of elements that define the subsystems API should have public visibility.
- B. Only the subsystem proxy class should have public visibility.
- C. No elements inside the subsystem should have public visibility.
- D. Only the elements that reference external classes should have public visibility.

Correct Answers: C

2: What are the two types of dependency that can be used from a subsystem? (Choose two.)

- A. <<uses>> dependency to a subsystem interface
- B. an <<import>> dependency to a package containing used classes
- C. a <<manifest>> relationship to a node in the Deployment model
- D. a <<realize>> relationship to one or more collaboration occurrences

Correct Answers: A B

3: Which task is performed during use-case realization refinement?

- A. identify participating classes
- B. allocate responsibilities among classes
- C. model messages between classes
- D. model associated class relationships

Correct Answers: D

4: Which statement is true about design subsystems?

- A. They partially encapsulate behavior.
- B. They represent an independent capability with clear interfaces.
- C. They model a single implementation variant.
- D. They can only contain design classes.

Correct Answers: B

5: Given the following configuration: Package A, which contains class aClass is in the presentation layer. Package B, which contains a class bClass and an interface bInterface is in the business layer. Package C, which contains cClass is in the data layer. Which is a poor practice?

- A. aClass calls a method in bClass.
- B. aClass has an attribute of type cClass.
- C. aClass realizes bInterface.
- D. bClass realizes bInterface.

Correct Answers: B

6: Which process document describes design mechanisms, any mappings between design mechanisms, and the details regarding their use?

- A. Software Architecture Document
- B. Design Guidelines
- C. Vision Document

D. Software Development Plan

Correct Answers: C

7: In the state of a state machine, a behavior can be defined _____.

A. before reaching a state

B. upon reaching a state

C. upon leaving a state

D. inside a state

Correct Answers: B C D

8: What is a gate?

A. a parameter that represents a message that crosses the boundary of an interaction or interaction fragment

B. a defined protocol for accessing the internals of a subsystem

C. a decision point in a state machine that has more than two alternatives

D. a set of checkpoints each subsystem design must satisfy before it can be assigned for implementation

Correct Answers: A

9: When identifying design elements, a simple analysis class will map to a(n)_____.

A. active class

B. interface

C. design class

D. subsystem

Correct Answers: C

10: In which OOAD activity is the distribution mechanism identified?

A. Identify Design Elements

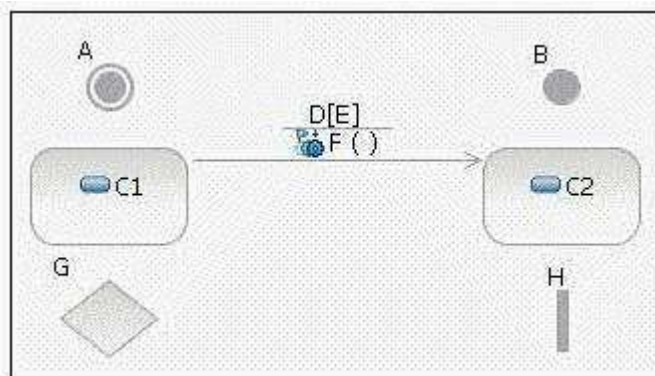
B. Identify Design Mechanisms

C. Class Design

D. Architectural Analysis

Correct Answers: B

11: Click on the exhibit button In the diagram, what is E?



- A.fork
- B.initial state
- C.decision
- D.transition
- E.final state
- F.event
- G.state
- H.guard condition

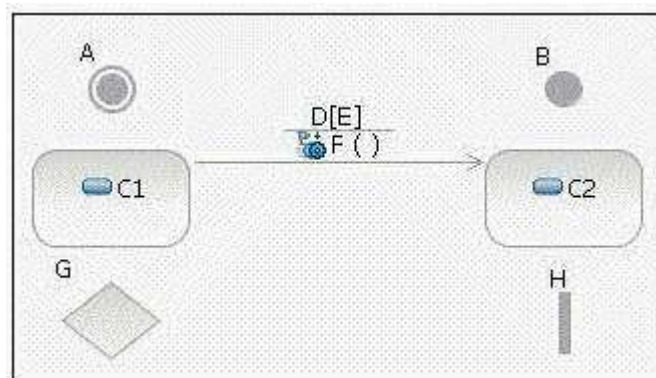
Correct Answers: H

12: Identify Design Elements is part of which workflow detail?

- A.Define a Candidate Architecture
- B.Design Components
- C.Perform Architectural
- D.Refine the Architecture

Correct Answers: D

13: Click on the exhibit button In the diagram, what is H?



- A.fork
- B.initial state
- C.decision
- D.transition
- E.final state
- F.event
- G.state
- H.guard condition

Correct Answers: A

14: What is the relationship between operation and method?

- A.The terms are synonymous.
- B.An operation describes how a method is implemented.
- C.A method describes how an operation is implemented.
- D.There is no relationship.

Correct Answers: C

15: Why would you use subsystem interfaces rather than subsystem instances on sequence diagrams?

- A.to make it easier to model subsystems during Subsystem Design
- B.to make use-case realizations easier to change
- C.to ease sequence diagram maintenance when message signatures change
- D.to reduce the number of classes needed to implement the subsystem

Correct Answers: B

16: Which is an input artifact to the Identify Design Elements activity?

- A.Deployment Model
- B.Implementation Model
- C.Reference Architecture
- D.Software Architecture Document

Correct Answers: D

17: What is an important consideration when allocating processes to nodes?

- A.minimizing network traffic
- B.minimizing power consumption
- C.utilizing all available nodes
- D.physical distance between nodes

Correct Answers: A

18: Which type of mechanism is a connector on a deployment diagram?

- A.backup
- B.communication
- C.transaction
- D.computation

Correct Answers: B

19: A design mechanism _____.

- A.captures the key aspects of a solution in a way that is implementation-independent
- B.specifies the exact implementation of the mechanism and is bound to a certain technology, implementation language, or vendor
- C.is the same as a design pattern
- D.assumes some details of the implementation environment, but is not tied to a specific implementation

Correct Answers: D

20: When identifying interfaces during the Identify Design Elements activity, which statement is true?

- A.Classes should not realize an interface.
- B.Each subsystem realizes only one interface.
- C.Interfaces should be identified before subsystems are created.

D.Interfaces should be packaged separately from the elements that realize them.

Correct Answers: D