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**QUESTION 1**

My service was consuming too much memory so I chose to persist data between invocations to a database. After doing so, I found that the performance of my service declined significantly due to the fact that my database is shared with other applications. As a result, I further isolated the service by giving it its own dedicated database. Which service-orientation principles were involved in this scenario? Select the correct answer.

- A. Service Loose Coupling
- B. Service Reusability
- C. Service Autonomy
- D. Service Statelessness

Correct Answer: CD

QUESTION 2

The Service Discoverability principle is supported by the Standardized Service Contract principle in which of the following ways? Select the correct answer.

- A. The Standardized Service Contract principle advocates using naming conventions for ensuring that the functionality of services is consistently expressed. By making the service easier to understand, it becomes more discoverable.
- B. The Standardized Service Contract principle supports a design process whereby the service contract is customized and created prior to the service logic. This allows service designers to shape the service contract content in such a manner that it can be effectively discovered.
- C. The Standardized Service Contract principle requires the use of service contract design standards that can be created to establish conventions that are supportive of the Service Discoverability principle.
- D. All of the above.

Correct Answer: D

QUESTION 3

Which are the three design principles that often act as regulators to ensure that the remaining five principles are properly applied: SELECT ALL THAT APPLY

- A. Service Loose Coupling
- B. Service Abstraction
- C. Service Composability
- D. Service Reusability

Correct Answer: ABC



QUESTION 4

Which of the following is a common challenge imposed by the adoption of service-orientation? Select the correct answer.

- A. Service-orientation introduces the need for design standards, which need to be followed and enforced.
- B. Service-orientation requires that you commit to one vendor platform, which can limit your product options.
- C. Service-orientation requires that services be protected from repeated reuse, which can reduce potential ROI.
- D. Service-orientation introduces the need to make all implementation details about each service publicly available, which can lead to the misuse of this information by some project teams.

Correct Answer: A

QUESTION 5

Which of the following are considered characteristics associated with service-oriented technology architecture? Select the correct answer.

- A. vendor-neutral
- B. business-driven
- C. enterprise-centric
- D. All of the above

Correct Answer: D

QUESTION 6

The _____ principle is primarily concerned with ensuring that services exercise a high level of control over their underlying runtime execution environment. Select the correct answer.

- A. Service Performance
- B. Service Autonomy
- C. Service Agility
- D. Service Abstraction

Correct Answer: B

QUESTION 7

When a service is required to manage and hold onto an excessive quantity of state data, it can lead to a decrease in



which of the following desirable service characteristics? SELECT ALL THAT APPLY

- A. maintainability
- B. availability
- C. scalability
- D. discoverability

Correct Answer: BC

QUESTION 8

Which of the following statements is true? Select the correct answer.

- A. A service inherits its functional context from its capabilities.
- B. A service capability inherits its functional context from other capabilities within the same service.
- C. A service inherits its functional context from other services, especially in complex compositions.
- D. A service capability inherits its functional context from its service.

Correct Answer: D

QUESTION 9

The _____ principle can be applied together with the _____ principle and the _____ principle to establish a service contract that conforms to design standards, does not impose negative dependencies upon service consumers, and does not reveal unnecessary information about its underlying implementation. Select the correct answer.

- A. Standardized Service Contract, Service Statelessness, Service Reusability
- B. Standardized Service Contract, Service Abstraction, Service Autonomy
- C. Standardized Service Contract, Service Loose Coupling, Service Reusability
- D. None of the above.

Correct Answer: D

QUESTION 10

Which of the following is not a state deferral option that is commonly used in support of applying the Service Statelessness principle? Select the correct answer.

- A. database
- B. utility service



C. messages

D. service registry

Correct Answer: D

QUESTION 11

The decoupling of a service contract from the service's underlying implementation results in a(n) _____ in the service's level of abstraction because _____ service implementation details helps prevent service consumers from being designed to indirectly couple to the underlying service implementation. Select the correct answer.

A. increase, hiding

B. increase, publishing

C. decrease, hiding

D. decrease, publishing

Correct Answer: A

QUESTION 12

The scope of a typical SOA initiative is application-specific, thereby fostering reuse primarily within application boundaries. Select the correct answer.

A. True

B. False

Correct Answer: B

QUESTION 13

When measuring coupling that exists between a service and a service consumer, you can determine the extent of dependency that exists between the service and service consumer.

Select the correct answer.

A. True

B. False

Correct Answer: A

QUESTION 14



The Service Reusability principle can _____ demands on infrastructure because services that are reused will typically have _____ security, performance, and reliability requirements. Select the correct answer.

- A. increase, reduced
- B. decrease, reduced
- C. eliminate, no
- D. None of the above.

Correct Answer: D

QUESTION 15

Which of the following statements reveal common misunderstandings about service- orientation and SOA? SELECT ALL THAT APPLY

- A. In order for an enterprise to be successful with SOA, enterprise-wide standardization is required.
- B. Service-orientation is a revolutionary paradigm that is incompatible with existing paradigms and practices.
- C. Adoption of service-orientation will return an immediate ROI due to its focus on tactical (short-term) requirements fulfillment.
- D. In order for an enterprise to be successful with SOA, an understanding of service- orientation is required.

Correct Answer: ABC

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