Fundamental SOA & Service-Oriented Computing

SOA S90.01

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QUESTION NO: 1

Complete the following statement with the correct: "Service-oriented solutions are commonly subject to performance challenges because they are likely to: SELECT ALL THAT APPLY

- A. ...rely on the use of XML-based technologies that can impose additional runtime processing overhead."
- B. ...rely on the use of agnostic services that are generally shared across multiple solutions."
- C. ...be comprised of service compositions that can impose increased data exchange requirements."
- **D.** ...have been developed using extreme programming techniques and may therefore have not been subjected to the proper quality assurance procedures."

ANSWER: A B C

QUESTION NO: 2

Which of the following SOA myths are false? SELECT ALL THAT APPLY

- A. "An application is considered service-oriented if it uses Web services."
- **B.** "It is required that you stick with a single SOA vendor platform in order to successfully achieve the strategic goals of service-oriented computing."
- C. "SOA projects always require enterprise-wide standardization and enterprise-wide global data models."
- D. "The successful adoption of SOA will help an organization become more agile and responsive."

ANSWER: A B C

QUESTION NO: 3

If a service can have one or more service capabilities, then how can a service consumer interact with a service?

- **A.** It can't. The service must only provide one service capability in order for it to be accessible by service consumers.
- **B.** Each service capability represents a function that the service has to offer. The service consumer can invoke and interact with one service capability at a time, thereby only using a subset of the service's overall functionality.
- **C.** Service capabilities are designed to be composed together, which means that in order for a service consumer to interact with a service, it must be designed to invoke all of its service capabilities at the same time.
- **D.** Services do not have service capabilities that are explicitly invoked. Services almost always exist as event-driven programs that transparently intercept service consumer messages at runtime.

ANSWER: B

QUESTION NO: 4

The goals of service-oriented computing are focused on tactical (short-term) benefits, as opposed to strategic (long-term) benefits. Select the correct answer.

- A. True
- B. False

ANSWER: B

QUESTION NO: 5

Service A is invoked by Desktop Application A, which requests a data value from Service A. In order for Service A to retrieve this data value, it must invoke Service B, which retrieves the value from Database A. Which participant(s) in this scenario are considered service consumers? SELECT ALL THAT APPLY

- A. Service A
- B. Service B
- C. Desktop Application A
- D. Database A

ANSWER: A C

QUESTION NO: 6

Solution logic is classified as "service-oriented" after:

- A. it has been built using Web services
- B. it has been built using RPC technologies
- C. it has been performance tested to a meaningful extent
- **D.** service-orientation has been applied to a meaningful extent

ANSWER: D

QUESTION NO: 7

Which of the following statements are true? SELECT ALL THAT APPLY

- **A.** A service inventory establishes a boundary for a collection of services.
- B. Service inventories represent collections of related services that are independently standardized and governed.

- **C.** The quantity of services within a service inventory will increase as new services that belong within the service inventory boundary are delivered.
- D. Service inventories are ideally planned and modeled ahead of time via the creation of service inventory blueprints.

ANSWER: A B C D

QUESTION NO: 8

Which of the following statements are false? SELECT ALL THAT APPLY

- **A.** Service compositions are aggregates of non-service-oriented applications that are grouped together and exposed as a service.
- B. Service compositions are aggregates of services that are grouped together to carry out a specific task.
- C. Service compositions can be classified as service-oriented solutions.
- **D.** Service composition design is not a common consideration with SOA projects. The emphasis of service-orientation is on producing services that are solely optimized for point-to-point data exchange.

ANSWER: A D

QUESTION NO: 9

Why is it recommended to establish a service-oriented architectural model that is vendor-neutral?

- **A.** Because a vendor-neutral architectural model provides you with the opportunity to fully leverage and form dependencies on proprietary (vendor-specific) vendor features.
- **B.** Because a vendor-neutral architectural model provides you with the opportunity to build service-oriented solutions only with open source technologies, thereby avoiding the use of vendor technologies altogether.
- **C.** Because a vendor-neutral architectural model provides you with the freedom to diversify its implementation by leveraging multiple vendor technologies as required.
- D. A vendor-neutral service-oriented architectural model is not recommended.

ANSWER: C

QUESTION NO: 10

Complete the following statement with the correct sentence: "The objective of organizational agility is to dramatically reduce the time and effort required to fulfill new or changed business requirements...

A. as long as the business requirements doesn't change too often."

- B. once legacy integration has been broadly achieved."
- C. once a collection of mature agnostic services is available."
- D. as long as the organization can continually outsource its IT projects."

ANSWER: C