

**SOA C90-02A**

**Cloud Technology Concepts**  
**Practice Test**  
Version: 14.20

**QUESTION NO: 1**

Which cloud computing mechanism is used to maintain synchronicity between on-premise and cloud-based IT resources? Select the correct answer.

- A. automated scaling listener
- B. failover system
- C. pay-for-use monitor
- D. None of the above.

**Answer: D**

**Explanation:**

**QUESTION NO: 2**

Black box testing refers to a technique where testers are provided with \_\_\_\_\_ visibility into an IT resource's implementation architecture. Select the correct answer.

- A. complete
- B. periodic
- C. no
- D. None of the above.

**Answer: C**

**Explanation:**

**QUESTION NO: 3**

Cloud balancing cannot be achieved by redundantly deploying IT resources in advance. Redundant instances of IT resources must be dynamically generated on-demand, at runtime. Select the correct answer.

- A. True
- B. False

**Answer: B**

**Explanation:**

**QUESTION NO: 4**

Cloud Service A resides on Virtual Server A and Cloud Service B resides on Virtual Server B. Both virtual servers are hosted by the same physical server and the trust boundaries of Cloud Services A and B overlap. A cloud service consumer successfully uses Cloud Service A to gain access to the underlying physical server. This enables the cloud service consumer to attack Cloud Service B, which negatively affects the cloud service consumers of Cloud Service B. This is an example of which cloud security threat? Select the correct answer.

- A. denial of service
- B. insufficient authorization
- C. weak authorization
- D. None of the above.

**Answer: D**

**Explanation:**

**QUESTION NO: 5**

Which of the following are primary areas of testing a cloud service in relation to information published in its service level agreement? Select the correct answer.

- A. availability
- B. reliability
- C. performance
- D. All of the above.

**Answer: D**

**Explanation:**

**QUESTION NO: 6**

The required parts of a SOAP message are the envelope document and the header and body sections. Select the correct answer.

- A. True
- B. False

**Answer: B**

**Explanation:**

**QUESTION NO: 7**

The resource replication mechanism can encompass a hypervisor that can support the multi-tenancy cloud characteristic. Select the correct answer.

- A. True
- B. False

**Answer: A**

**Explanation:**

**QUESTION NO: 8**

Which of the following characteristics of cloud-based IT resources are difficult to fully test on Software-as-a-Service (SaaS) implementations? SELECT ALL THAT APPLY

- A. availability
- B. confidentiality
- C. reliability
- D. performance

**Answer: A,C**

**Explanation:**

**QUESTION NO: 9**

Which of the following statements are true about the state management database mechanism? SELECT ALL THAT APPLY

- A. Software programs can off-load state data to a state management database in order to reduce the amount of runtime memory they consume.
- B. The use of a state management database can improve scalability.
- C. State management databases rely on the use of virtualization software.
- D. The use of state management databases requires a ready-made environment.

**Answer: A,B**

**Explanation:**

**QUESTION NO: 10**

With cloud storage, consumers only pay for the actual storage they use. Select the correct answer.

- A. True
- B. False

**Answer: A**

**Explanation:**

**QUESTION NO: 11**

Which of the following security mechanisms enables one cloud service consumer to be authenticated by a security broker, so that its security context is persisted when accessing other cloud services? Select the correct answer.

- A. digital certificates
- B. certificate authority
- C. single sign-on
- D. None of the above.

**Answer: C**

**Explanation:**

**QUESTION NO: 12**

We exported data from our on-premise relational database to a cloud-based non-relational database. After the export, we noticed that the size of the cloud-based database was significantly larger than our on-premise database. What is the likely reason that the database size increased? Select the correct answer.

- A. The transmission of the data over a wide area network resulted in the accumulation of additional meta data from HTTP headers that was stored in the non-relational database, resulting in the increase in data received by the cloud.
- B. The data in the relational database was normalized and became denormalized after being exported into a non-relational database.
- C. In order to support higher levels of scalability, the cloud-based database is required to add state

data to the non-relational data it stores. This state data is used to synchronize instances of the database tables during runtime usage, but also increases the size of the overall database.

D. All of the above.

**Answer: B**

**Explanation:**

### QUESTION NO: 13

The \_\_\_\_\_ attack occurs when access is granted to an attacker erroneously or too broadly, resulting in the attacker gaining access to IT resources that are normally protected. Select the correct answer.

- A. denial of service
- B. malicious intermediary
- C. insufficient authorization
- D. virtualization

**Answer: C**

**Explanation:**

### QUESTION NO: 14

The \_\_\_\_\_ is a service agent that can measure the usage of a cloud-based IT resource by a cloud consumer for billing purposes. Select the correct answer.

- A. automated scaling listener
- B. pay-for-use monitor
- C. multi-device broker
- D. resource replicator

**Answer: B**

**Explanation:**

### QUESTION NO: 15

A virtual server is being attacked by a malicious cloud service consumer that is generating increased usage loads upon the underlying physical server. As a result, other virtual servers being hosted by the physical server are becoming unavailable to other cloud service consumers. This