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**Shared by **Simpson** on **22-07-2024****

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# Question 1

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**Question Type:** MultipleChoice

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What is an experimental technology that is intended to create the possibility of processing encrypted data without having to decrypt it first?

**Options:**

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- A- Quantum-state
- B- Polyinstantiation
- C- Homomorphic
- D- Gastronomic

**Answer:**

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C

**Explanation:**

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Homomorphic encryption hopes to achieve that goal; the other options are terms that have almost nothing to do with encryption.

## Question 2

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**Question Type:** MultipleChoice

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Which of the following is considered a physical control?

**Options:**

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- A- Fences
- B- Ceilings
- C- Carpets
- D- Doors

**Answer:**

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A

**Explanation:**

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Fences are physical controls; carpets and ceilings are architectural features, and a door is not necessarily a control: the lock on the door would be a physical security control. Although you might think of a door as a potential answer, the best answer is the fence; the exam will have questions where more than one answer is correct, and the answer that will score you points is the one that is most correct.

## Question 3

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**Question Type:** MultipleChoice

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Which of the following are considered to be the building blocks of cloud computing?

**Options:**

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- A- CPU, RAM, storage, and networking
- B- Data, CPU, RAM, and access control
- C- Data, access control, virtualization, and services
- D- Storage, networking, printing, and virtualization

**Answer:**

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A

## Question 4

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**Question Type:** MultipleChoice

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Which of the following are cloud computing roles?

### Options:

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- A- Cloud service broker and user
- B- Cloud customer and financial auditor
- C- CSP and backup service provider
- D- Cloud service auditor and object

### Answer:

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C

### Explanation:

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The following groups form the key roles and functions associated with cloud computing. They do not constitute an exhaustive list but highlight the main roles and functions within cloud computing:

- Cloud customer: An individual or entity that utilizes or subscribes to cloud based services or resources.
- CSP: A company that provides cloud-based platform, infrastructure, application, or storage services to other organizations or individuals, usually for a fee; otherwise known to clients "as a service.
- Cloud backup service provider: A third-party entity that manages and holds operational responsibilities for cloud-based data backup services and solutions to customers from a central data center.
- CSB: Typically a third-party entity or company that looks to extend or enhance value to multiple customers of cloud-based services through relationships with multiple CSPs. It acts as a liaison between cloud services customers and CSPs, selecting the best provider for each customer and monitoring the services. The CSB can be utilized as a "middleman" to broker the best deal and customize services to the customer's requirements. May also resell cloud services.
- Cloud service auditor: Third-party organization that verifies attainment of SLAs.

## Question 5

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**Question Type:** MultipleChoice

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The BIA can be used to provide information about all the following, except:

### Options:

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- A- BC/DR planning
- B- Risk analysis
- C- Secure acquisition
- D- Selection of security controls

### Answer:

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C

### Explanation:

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The business impact analysis gathers asset valuation information that is beneficial for risk analysis and selection of security controls (it helps avoid putting the ten-dollar lock on the five-dollar bicycle), and criticality information that helps in BC/DR planning by letting the organization understand which systems, data, and personnel are necessary to continuously maintain. However, it does not aid secure acquisition efforts, since the assets examined by the BIA have already been acquired.

## Question 6

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**Question Type:** MultipleChoice

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In attempting to provide a layered defense, the security practitioner should convince senior management to include security controls of which type?

**Options:**

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A- Physical

B- All of the above

C- technological

D- Administrative

**Answer:**

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B

**Explanation:**

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Layered defense calls for a diverse approach to security.

## Question 7

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**Question Type: MultipleChoice**

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Gathering business requirements can aid the organization in determining all of this information about organizational assets, except:

**Options:**

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- A- Full inventory
- B- Criticality
- C- Value
- D- Usefulness

**Answer:**

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D

**Explanation:**

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When we gather information about business requirements, we need to do a complete inventory, receive accurate valuation of assets (usually from the owners of those assets), and assess criticality; this collection of information does not tell us, objectively, how useful an asset is, however.

## Question 8

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**Question Type:** MultipleChoice

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What are SOC 1/SOC 2/SOC 3?

### Options:

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- A- Audit reports
- B- Risk management frameworks
- C- Access controls
- D- Software developments

### Answer:

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A

### Explanation:

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An SOC 1 is a report on controls at a service organization that may be relevant to a user entity's internal control over financial reporting. An SOC 2 report is based on the existing SysTrust and WebTrust principles. The purpose of an SOC 2 report is to evaluate an organization's information systems relevant to security, availability, processing integrity, confidentiality, or privacy. An SOC 3 report is

also based on the existing SysTrust and WebTrust principles, like a SOC 2 report. The difference is that the SOC 3 report does not detail the testing performed.

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