



# CISA<sup>Q&As</sup>

Certified Information Systems Auditor

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### QUESTION 1

Which of the following controls helps to ensure that data extraction queries run by the database administrator (DBA) are monitored?

- A. Restricting access to DBA activities
- B. Performing periodic access reviews
- C. Storing logs of database access
- D. Reviewing activity logs of the DBA

Correct Answer: D

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### QUESTION 2

Which of the following is MOST important for an IS auditor to review when evaluating the effectiveness of an organization's incident response process?

- A. Past incident response actions
- B. Incident response staff experience and qualifications
- C. Results from management testing of incident response procedures
- D. Incident response roles and responsibilities

Correct Answer: C

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### QUESTION 3

When implementing Internet Protocol security (IPsec) architecture, the servers involved in application delivery:

- A. communicate via Transport Layer Security (TLS),
- B. block authorized users from unauthorized activities.
- C. channel access only through the public-facing firewall.
- D. channel access through authentication.

Correct Answer: A

When implementing Internet Protocol security (IPsec) architecture, the servers involved in application delivery communicate via Transport Layer Security (TLS), which is a protocol that provides encryption and authentication for data transmitted over a network. IPsec operates at the network layer and provides security for IP packets, while TLS operates at the transport layer and provides security for TCP connections. Blocking authorized users from unauthorized activities, channeling access only through the public-facing firewall, and channeling access through authentication are not functions of IPsec architecture. References: CISA Review Manual (Digital Version), Chapter 5, Section 5.4.2

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#### QUESTION 4

When evaluating the design of controls related to network monitoring, which of the following is MOST important for an IS auditor to review?

- A. Incident monitoring logs
- B. The ISP service level agreement
- C. Reports of network traffic analysis
- D. Network topology diagrams

Correct Answer: D

Network topology diagrams are the most important for an IS auditor to review when evaluating the design of controls related to network monitoring, because they show how the network components are connected and configured, and what security measures are in place to protect the network from unauthorized access or attacks. Incident monitoring logs, the ISP service level agreement, and reports of network traffic analysis are useful for evaluating the effectiveness and performance of network monitoring, but not the design of controls. References: CISA Review Manual (Digital Version), Chapter 5, Section 5.3.3

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#### QUESTION 5

The FIRST step in auditing a data communication system is to determine:

- A. traffic volumes and response-time criteria
- B. physical security for network equipment
- C. the level of redundancy in the various communication paths
- D. business use and types of messages to be transmitted

Correct Answer: D

The first step in auditing a data communication system is to determine the business use and types of messages to be transmitted. This is because the auditor needs to understand the purpose, scope, and objectives of the data communication system, as well as the nature, volume, and sensitivity of the data being transmitted. This will help the auditor to identify the risks, controls, and audit criteria for the data communication system. Traffic volumes and response-time criteria, physical security for network equipment, and the level of redundancy in the various communication paths are important aspects of a data communication system, but they are not the first step in auditing it. They depend on the business use and types of messages to be transmitted, and they may vary according to different scenarios and requirements. References: CISA Review Manual (Digital Version), [ISACA Auditing Standards]