



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

GIAC Information Security Fundamentals

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### QUESTION 1

You work as the Senior Project manager in Dotcoiss Inc. Your company has started a software project using configuration management and has completed 70% of it. You need to ensure that the network infrastructure devices and networking standards used in this project are installed in accordance with the requirements of its detailed project design documentation. Which of the following procedures will you employ to accomplish the task?

- A. Physical configuration audit
- B. Configuration control
- C. Functional configuration audit
- D. Configuration identification

Correct Answer: A

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### QUESTION 2

Fred is the project manager for the TCC Company. His company has an internal policy that states each year they will provide free services to a nonprofit organization. Therefore, the company and its employees are not allowed to charge or receive money or gifts from the nonprofit organization they choose to provide free services. This year, the TCC Company offers to provide project management services to the children's hospital for a marketing campaign to raise money. Due to the TCC Company's project management services, the nonprofit agency exceeded previous years fund raising efforts. To show appreciation the nonprofit organization offered to reimburse the project manager for his travel expenses. Which of the following best describes how the project manager should handle the situation?

- A. Say thank you and let them pay for the travel, it is the least they can do.
- B. Tell the hospital no thank you and explain it is against company policy to accept payment for services provided to their pro bono customers.
- C. Say nothing as to not hurt the feelings of the children's hospital.
- D. Ask if the hospital could pay for some of the supplies too.

Correct Answer: B

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### QUESTION 3

Which of the following prevents malicious programs from attacking a system?

- A. Smart cards
- B. Anti-virus program
- C. Firewall
- D. Biometric devices

Correct Answer: B

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#### QUESTION 4

Which of the following statements are TRUE regarding asymmetric encryption and symmetric encryption? Each correct answer represents a complete solution. Choose all that apply.

- A. Data Encryption Standard (DES) is a symmetric encryption key algorithm.
- B. In symmetric encryption, the secret key is available only to the recipient of the message.
- C. Symmetric encryption is commonly used when a message sender needs to encrypt a large amount of data.
- D. Asymmetric encryption uses a public key and a private key pair for data encryption.

Correct Answer: ACD

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#### QUESTION 5

Which of the following tools is an open source protocol analyzer that can capture traffic in real time?

- A. Snort
- B. Wireshark
- C. NetWitness
- D. Netresident

Correct Answer: B

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#### QUESTION 6

Maria works as a professional Ethical Hacker. She is assigned a project to test the security of [www.weare-secure.com](http://www.weare-secure.com). She wants to test a DoS attack on the We-are-secure server. She finds that the firewall of the server is blocking the ICMP messages, but it is not checking the UDP packets. Therefore, she sends a large amount of UDP echo request traffic to the IP broadcast addresses. These UDP requests have a spoofed source address of the We-are-secure server. Which of the following DoS attacks is Maria using to accomplish her task?

- A. Smurf DoS attack
- B. Teardrop attack
- C. Fraggle DoS attack
- D. Ping flood attack

Correct Answer: C

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#### QUESTION 7



Which of the following concepts represent the three fundamental principles of information security? Each correct answer represents a complete solution. Choose three.

- A. Privacy
- B. Availability
- C. Integrity
- D. Confidentiality

Correct Answer: BCD

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#### QUESTION 8

Which of the following types of firewall functions at the Session layer of OSI model?

- A. Circuit-level firewall
- B. Application-level firewall
- C. Switch-level firewall
- D. Packet filtering firewall

Correct Answer: A

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#### QUESTION 9

You work as an Incident handler in Mariotrixt.Inc. You have followed the Incident handling process to handle the events and incidents. You identify Denial of Service attack (DOS) from a network linked to your internal enterprise network. Which of the following phases of the Incident handling process should you follow next to handle this incident?

- A. Containment
- B. Preparation
- C. Recovery
- D. Identification

Correct Answer: A

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#### QUESTION 10

You are concerned about rootkits on your network communicating with attackers outside your network. Without using an IDS how can you detect this sort of activity?

- A. By examining your firewall logs.
- B. By examining your domain controller server logs.



- C. By setting up a DMZ.
- D. You cannot, you need an IDS.

Correct Answer: A

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#### QUESTION 11

John, a novice web user, makes a new E-mail account and keeps his password as "apple", his favorite fruit. John's password is vulnerable to which of the following password cracking attacks? Each correct answer represents a complete solution. Choose all that apply.

- A. Dictionary attack
- B. Rule based attack
- C. Brute Force attack
- D. Hybrid attack

Correct Answer: ACD

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#### QUESTION 12

Which of the following statements about asymmetric encryption are true? Each correct answer represents a complete solution. Choose two.

- A. Asymmetric encryption is faster as compared to symmetric encryption.
- B. Asymmetric encryption uses a public key and a private key pair for data encryption.
- C. In asymmetric encryption, only one key is needed to encrypt and decrypt data.
- D. In asymmetric encryption, the public key is distributed and the private key is available only to the recipient of the message.

Correct Answer: BD

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#### QUESTION 13

According to the case study, what protocol should be used to protect a customer's privacy and credit card information?

(Click the Exhibit button on the toolbar to see the case study.)

- A. L2TP
- B. FTP
- C. HTTP



D. MS-CHAP

E. HTTPS

F. PPTP

Correct Answer: E

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#### QUESTION 14

Which of the following is the process of making additional copies of data so that they may be used to restore the original after a data loss event?

A. Data mining

B. Back-up

C. Data recovery

D. File storage

Correct Answer: B

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#### QUESTION 15

Which of the following techniques are used after a security breach and are intended to limit the extent of any damage caused by the incident?

A. Corrective controls

B. Detective controls

C. Safeguards

D. Preventive controls

Correct Answer: A

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