

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

GIAC Information Security Fundamentals

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**QUESTION 1**

Every network device contains a unique built in Media Access Control (MAC) address, which is used to identify the authentic device to limit the network access. Which of the following addresses is a valid MAC address?

- A. F936.28A1.5BCD.DEFA
- B. A3-07-B9-E3-BC-F9
- C. 1011-0011-1010-1110-1100-0001
- D. 132.298.1.23

Correct Answer: B

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**QUESTION 2**

Which of the following statements about Public Key Infrastructure (PKI) is true?

- A. It uses symmetric key pairs.
- B. It uses public key encryption.
- C. It is a digital representation of information that identifies users.
- D. It provides security using data encryption and digital signature.

Correct Answer: D

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**QUESTION 3**

Which of the following protocols can help you get notified in case a router on a network fails?

- A. SMTP
- B. SNMP
- C. TCP
- D. ARP

Correct Answer: B

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**QUESTION 4**

You work as a Security manager for Qualoxizz Inc. Your company has number of network switches in the site network infrastructure. Which of the following actions will you perform to ensure the security of the switches in your company?

- A. Set long session timeouts.

- B. Open up all the unused management ports.
- C. Set similar passwords for each management port.
- D. Ignore usage of the default account settings.

Correct Answer: D

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**QUESTION 5**

Which of the following is the primary function of VPNs?

- A. To establish private connections over public networks
- B. To make virtual connections for remote access
- C. To establish a wireless connections to networks
- D. To access networks remotely

Correct Answer: A

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**QUESTION 6**

Kelly is the project manager of the NNQ Project for her company. This project will last for one year and has a budget of \$350,000. Kelly is working with her project team and subject matter experts to begin the risk response planning process. When the project manager begins the plan risk response process, what two inputs will she need?

- A. Risk register and the results of risk analysis
- B. Risk register and the risk response plan
- C. Risk register and the risk management plan
- D. Risk register and power to assign risk responses

Correct Answer: C

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**QUESTION 7**

You work as a professional Computer Hacking Forensic Investigator for DataEnet Inc. You want to investigate e-mail information of an employee of the company. The suspected employee is using an online e-mail system such as Hotmail or Yahoo. Which of the following folders on the local computer will you review to accomplish the task?

Each correct answer represents a complete solution. Choose all that apply.

- A. Cookies folder
- B. Temporary Internet Folder
- C. Download folder

D. History folder

Correct Answer: ABD

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## QUESTION 8

You work as a Network Administrator for Marioxnet Inc. You have the responsibility of handling two routers with BGP protocol for the enterprise's network. One of the two routers gets flooded with an unexpected number of data packets, while the other router starves with no packets reaching it. Which of the following attacks can be a potential cause of this?

- A. Denial-of-Service
- B. Eavesdropping
- C. Spoofing
- D. Packet manipulation

Correct Answer: A

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## QUESTION 9

Which of the following types of attack can guess a hashed password?

- A. Teardrop attack
- B. Evasion attack
- C. Denial of Service attack
- D. Brute force attack

Correct Answer: D

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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

Which of the following types of attacks cannot be prevented by technical measures only?

- A. Social engineering
- B. Smurf DoS
- C. Brute force
- D. Ping flood attack

Correct Answer: A

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## QUESTION 12

The ATM of a bank is robbed by breaking the ATM machine. Which of the following physical security devices can now be used for verification and historical analysis of the ATM robbery?

- A. Biometric devices
- B. Intrusion detection systems
- C. Key card
- D. CCTV Cameras

Correct Answer: D

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## QUESTION 13

Mark is implementing security on his e-commerce site. He wants to ensure that a customer sending a message is really the one he claims to be. Which of the following techniques will he use to ensure this?

- A. Authentication
- B. Firewall
- C. Packet filtering
- D. Digital signature

Correct Answer: D

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## QUESTION 14

You have been assigned the task of selecting a hash algorithm. The algorithm will be specifically used to ensure the integrity of certain sensitive files. It must use a 128 bit hash value. Which of the following should you use?

- A. SHA

B. AES

C. MD5

D. DES

Correct Answer: C

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## QUESTION 15

You have purchased a wireless router for your home network. What will you do first to enhance the security?

A. Change the default password and administrator's username on the router

B. Disable the network interface card on the computer

C. Configure DMZ on the router

D. Assign a static IP address to the computers

Correct Answer: A

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