



# SY0-401<sup>Q&As</sup>

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**QUESTION 1**

The loss prevention department has purchased a new application that allows the employees to monitor the alarm systems at remote locations. However, the application fails to connect to the vendor's server and the users are unable to log in. Which of the following are the MOST likely causes of this issue? (Select TWO).

- A. URL filtering
- B. Role-based access controls
- C. MAC filtering
- D. Port Security
- E. Firewall rules

Correct Answer: AE

A URL filter is used to block URLs (websites) to prevent users accessing the website. Firewall rules act like ACLs, and they are used to dictate what traffic can pass between the firewall and the internal network. Three possible actions can be taken based on the rule's criteria: Block the connection Allow the connection Allow the connection only if it is secured

Incorrect Options:

B: Role-based Access Control is basically based on a user's job description. When a user is assigned a specific role in an environment, that user's access to objects is granted based on the required tasks of that role. Since the sales team needs to save and print reports, they would not be restricted if restrictions were role-based.

C: A MAC filter is a list of authorized wireless client interface MAC addresses that is used by a WAP to block access to all unauthorized devices.

D: Port security works at level 2 of the OSI model and allows an administrator to configure switch ports so that only certain MAC addresses can use the port.

Reference:

Stewart, James Michael, CompTIA Security+ Review Guide, Sybex, Indianapolis, 2014, pp. 19, 61, 276

Dulaney, Emmett and Chuck Eastton, CompTIA Security+ Study Guide, 6th Edition, Sybex, Indianapolis, 2014, p. 157

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**QUESTION 2**

After reviewing the firewall logs of her organization's wireless APs, Ann discovers an unusually high amount of failed authentication attempts in a particular segment of the building. She remembers that a new business moved into the office space across the street. Which of the following would be the BEST option to begin addressing the issue?

- A. Reduce the power level of the AP on the network segment
- B. Implement MAC filtering on the AP of the affected segment
- C. Perform a site survey to see what has changed on the segment



D. Change the WPA2 encryption key of the AP in the affected segment

Correct Answer: A

Some access points include power level controls that allow you to reduce the amount of output provided if the signal is traveling too far.

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### QUESTION 3

A system administrator wants to confidentially send a user name and password list to an individual outside the company without the information being detected by security controls. Which of the following would BEST meet this security goal?

- A. Digital signatures
- B. Hashing
- C. Full-disk encryption
- D. Steganography

Correct Answer: D

Steganography is the process of concealing a file, message, image, or video within another file, message, image, or video.

Note: The advantage of steganography over cryptography alone is that the intended secret message does not attract attention to itself as an object of scrutiny. Plainly visible encrypted messages, no matter how unbreakable will arouse interest, and may in themselves be incriminating in countries where encryption is illegal. Thus, whereas cryptography is the practice of protecting the contents of a message alone, steganography is concerned with concealing the fact that a secret message is being sent, as well as concealing the contents of the message.

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### QUESTION 4

An assessment too reports that the company's web server may be susceptible to remote buffer overflow. The web server administrator insists that the finding is a false positive. Which of the following should the administrator do to verify if this is indeed a false positive?

- A. Use a banner grabbing tool
- B. Run a vulnerability scan
- C. Enforce company policies
- D. Perform a penetration test

Correct Answer: B

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### QUESTION 5



A recent audit has revealed that all employees in the bookkeeping department have access to confidential payroll information, while only two members of the bookkeeping department have job duties that require access to the confidential information. Which of the following can be implemented to reduce the risk of this information becoming compromised in this scenario? (Select TWO)

- A. Rule-based access control
- B. Role-based access control
- C. Data loss prevention
- D. Separation of duties
- E. Group-based permissions

Correct Answer: BE

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