

## CWSP-206<sup>Q&As</sup>

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## QUESTION 1

In the basic 4-way handshake used in secure 802.11 networks, what is the purpose of the ANonce and SNonce?

- A. They are added together and used as the GMK, from which the GTK is derived.
- B. They are used to pad Message 1 and Message 2 so each frame contains the same number of bytes.
- C. The IEEE 802.11 standard requires that all encrypted frames contain a nonce to serve as a Message Integrity Check (MIC).
- D. They are input values used in the derivation of the Pairwise Transient Key.

Correct Answer: D

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## QUESTION 2

The Marketing department's WLAN users need to reach their file and email server as well as the Internet, but should not have access to any other network resources. What single WLAN security feature should be implemented to comply with these requirements?

- A. RADIUS policy accounting
- B. Group authentication
- C. Role-based access control
- D. Captive portal
- E. Mutual authentication

Correct Answer: C

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## QUESTION 3

The following numbered items show some of the contents of each of the four frames exchanged during the 4-way handshake.

1.  
Encrypted GTK sent
2.  
Confirmation of temporal key installation
3.  
ANonce sent from authenticator to supplicant
- 4.

SNonce sent from supplicant to authenticator, MIC included

Arrange the frames in the correct sequence beginning with the start of the 4-way handshake.

- A. 1, 2, 3, 4
- B. 3, 4, 1, 2
- C. 4, 3, 1, 2
- D. 2, 3, 4, 1

Correct Answer: B

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#### QUESTION 4

What attack cannot be detected by a Wireless Intrusion Prevention System (WIPS)?

- A. Deauthentication flood
- B. Soft AP
- C. EAP flood
- D. Eavesdropping
- E. MAC Spoofing
- F. Hotspotter

Correct Answer: D

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#### QUESTION 5

You are the WLAN administrator in your organization and you are required to monitor the network and ensure all active WLANs are providing RSNs. You have a laptop protocol analyzer configured. In what frame could you see the existence or non-existence of proper RSN configuration parameters for each BSS through the RSN IE?

- A. CTS
- B. Beacon
- C. RTS
- D. Data frames
- E. Probe request

Correct Answer: B

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#### QUESTION 6

XYZ Hospital plans to improve the security and performance of their Voice over Wi-Fi implementation and will be upgrading to 802.11n phones with 802.1X/EAP authentication. XYZ would like to support fast secure roaming for the phones and will require the ability to troubleshoot reassociations that are delayed or dropped during inter-channel roaming. What portable solution would be recommended for XYZ to troubleshoot roaming problems?

- A. Spectrum analyzer software installed on a laptop computer.
- B. An autonomous AP mounted on a mobile cart and configured to operate in monitor mode.
- C. Laptop-based protocol analyzer with multiple 802.11n adapters.
- D. WIPS sensor software installed on a laptop computer.

Correct Answer: C

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#### **QUESTION 7**

What security vulnerability may result from a lack of staging, change management, and installation procedures for WLAN infrastructure equipment?

- A. The WLAN system may be open to RF Denial-of-Service attacks.
- B. Authentication cracking of 64-bit Hex WPA-Personal PSK.
- C. AES-CCMP encryption keys may be decrypted.
- D. WIPS may not classify authorized, rogue, and neighbor APs accurately.

Correct Answer: D

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#### **QUESTION 8**

ABC Company is an Internet Service Provider with thousands of customers. ABC's customers are given login credentials for network access when they become a customer. ABC uses an LDAP server as the central user credential database. ABC is extending their service to existing customers in some public access areas and would like to use their existing database for authentication. How can ABC Company use their existing user database for wireless user authentication as they implement a large-scale WPA2Enterprise WLAN security solution?

- A. Implement a RADIUS server and query user authentication requests through the LDAP server.
- B. Mirror the LDAP server to a RADIUS database within a WLAN controller and perform daily backups to synchronize the user databases.
- C. Import all users from the LDAP server into a RADIUS server with an LDAP-to-RADIUS conversion tool.
- D. Implement an X.509 compliant Certificate Authority and enable SSL queries on the LDAP server.

Correct Answer: A

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#### **QUESTION 9**

What preventative measures are performed by a WIPS against intrusions?

- A. Uses SNMP to disable the switch port to which rogue APs connect.
- B. Evil twin attack against a rogue AP.
- C. EAPoL Reject frame flood against a rogue AP.
- D. Deauthentication attack against a classified neighbor AP.
- E. ASLEAP attack against a rogue AP.

Correct Answer: A

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## QUESTION 10

Your network implements an 802.1X/EAP-based wireless security solution. A WLAN controller is installed and manages seven APs. FreeRADIUS is used for the RADIUS server and is installed on a dedicated server named SRV21. One example client is a MacBook Pro with 8 GB RAM. What device functions as the 802.1X/EAP Authenticator?

- A. WLAN Controller/AP
- B. MacBook Pro
- C. SRV21
- D. RADIUS server

Correct Answer: A

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