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QUESTION 1

Wi-Fi certified network devices can operate in what frequency band(s)?

- A. 2.4 GHz only
- B. 900 MHz, 2.4 GHz, and 5 GHz
- C. 2.4 GHz and 5 GHz
- D. 5.8 GHz only

Correct Answer: C

QUESTION 2

When implementing a wireless LAN, what is the area covered by an AP and usable by a client station called?

- A. Basic Service Area
- B. Independent Basic Service Set
- C. Infrastructure Basic Service Set
- D. Service Set Identifier
- E. Basic Service Set Identifier

Correct Answer: A

QUESTION 3

Which scenario represents an improper installation for an AP with low-gain omnidirectional antennas?

- A. Placed above the doorway, at one end of a long hallway
- B. Placed on the ceiling, near the center of a meeting room
- C. Mounted near the middle of a small branch office
- D. Placed on a centrally-located desk in a small office

Correct Answer: A

QUESTION 4

What is a difference between an Infrastructure Basic Service Set (BSS) network and an Ad Hoc network?

- A. In an Ad Hoc network, only one WLAN controller is used. A BSS allows multiple WLAN controllers to be connected

together to form a mobility domain.

B. An Ad Hoc network allows only legacy security options such as WEP. A BSS allows the creation of a robust security network (RSN) using security methods such as WPA2- Personal.

C. A BSS is recommended for enterprise WLANs, while Ad Hoc deployments are recommended for small and medium businesses.

D. In a BSS, an access point is used for connectivity to the wired network infrastructure. In an Ad Hoc network, client stations communicate directly with each other.

Correct Answer: D

QUESTION 5

Given: In Single-Channel Architecture (SCA) systems, multiple access points can use the same BSSID. This feature allows for the creation of a network-wide virtual access point that can be applied across multiple physical access points operating on the same channel.

What benefit does this solution offer?

A. The virtual AP can be managed using a WIPS platform

B. Transmissions travel farther since they are repeated by other APs

C. A wider variety of available security mechanisms are available

D. Client stations do not have to make roaming decisions

Correct Answer: D

QUESTION 6

ABC Company's wireless network is configured to hide the SSID in beacons, and allows connectivity only to approved MAC addresses. For encryption and authentication, ABC is using WEP security with a 128-bit key. You have been asked to provide feedback about the strength of their security. You tell ABC Company that _____.

A. Each currently-used security mechanism is helpful, and the network is secure.

B. MAC filtering will prevent unauthorized access, but SSID hiding and WEP will not.

C. MAC filtering and SSID hiding will prevent unauthorized access, but WEP will not.

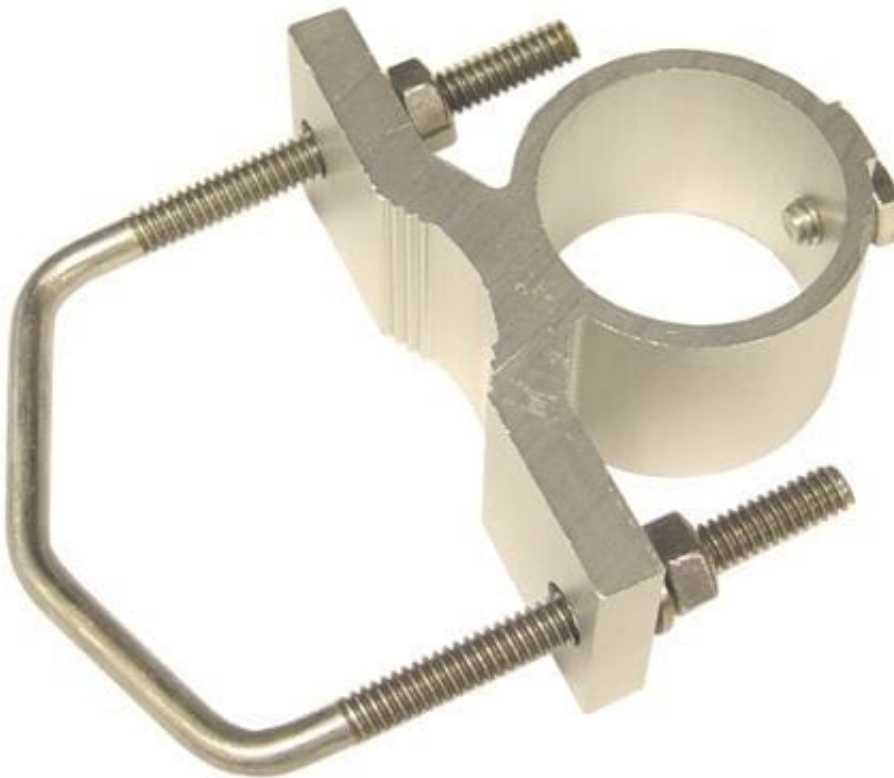
D. WEP and SSID hiding will prevent unauthorized access, but MAC filtering will not.

E. Each currently-used security mechanism is weak, and the network is insecure.

Correct Answer: E

QUESTION 7

Exhibit:



In what type of Wi-Fi deployment is an antenna mounted using a pole mounting kit, as shown in the exhibit?

- A. Indoor Mesh
- B. Outdoor Bridging
- C. Office space APs
- D. Hotel guest access

Correct Answer: B

QUESTION 8

Given: A customer has recently purchased an 802.11g access point that accepts multiple external antennas. The customer wants to know if they need to purchase multiple antennas or a single antenna for the AP.

What do you tell them is a benefit of using multiple antennas?

- A. Additional gain and therefore a larger coverage area
- B. Additional functionality through enabling of repeater features
- C. Transmit and receive diversity that addresses multipath problems

D. Improved throughput by enabling full-duplex communication

Correct Answer: C

QUESTION 9

ABC Manufacturing currently has 35 access points throughout their main facility, and each Friday afternoon two administrators walk the premises with spectrum and protocol analyzers to detect unauthorized devices and network activity. You have noted several problems with this approach. To address the inefficiencies with this approach and to provide the most robust preventative security, you have set aside a portion of the department's budget to install a _____.

- A. Full-time Spectrum Analyzer
- B. Full-time Protocol Analyzer
- C. Wireless Distribution System (WDS)
- D. Single Channel Architecture (SCA) system
- E. Wireless Intrusion Prevention System (WIPS)

Correct Answer: E

QUESTION 10

What layer of the OSI reference model is responsible for data framing for a given physical layer technology?

- A. Transport
- B. Network
- C. Data Link
- D. Session
- E. Presentation
- F. Application

Correct Answer: C

QUESTION 11

Which Wi-Fi vertical market applications are regulated by a government or industry group for security compliance? (Choose 2)

- A. Patient records in hospitals
- B. Guest Internet services in coffee shops

- C. Inventory management in warehouses
- D. Location services on cargo ships
- E. Consumer payment information in retail stores

Correct Answer: AE

QUESTION 12

After successfully connecting to the Wi-Fi network in your hotel room, you launch a web browser on your laptop. Instead of opening your homepage, it directs you to a hotel- branded page that asks for your name, room number, and a secret key. What has most likely happened?

- A. You are the victim of a phishing attack, should not provide the information, and should call the front desk for help.
- B. Every room in the hotel has its own access point, and entering the room number and key confirms connectivity to the correct AP.
- C. The access point is out of connections and you must enter your room number and code to be added to the hotel's Access Request Queue (ARQ) to obtain the next available connection.
- D. The hotel is using a captive portal to provide guest connectivity while keeping non-guest users off the wireless network.

Correct Answer: D

QUESTION 13

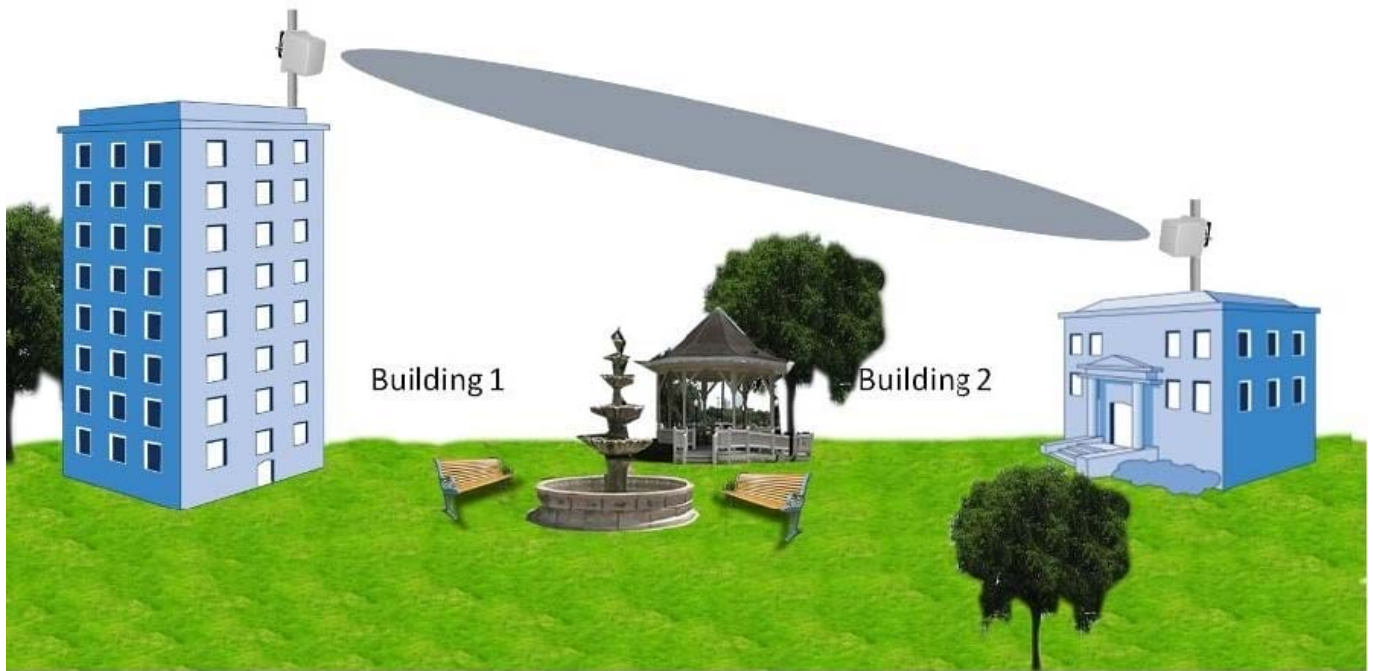
As part of a pre-deployment manual RF site survey, your manager has assigned to you the task of documenting security and interference details about existing WLANs in the building. What is the best tool for locating and collecting information about existing APs in the building?

- A. Spectrum analyzer
- B. Wi-Fi client utilities
- C. Wireless protocol analyzer
- D. Predictive analysis software
- E. WLAN controller

Correct Answer: C

QUESTION 14

Exhibit:



In order to extend network access from Building 1 to Building 2, ABC Company has implemented a Wi-Fi solution. What type of Wi-Fi solution is shown in the figure? (Choose 3)

- A. Point-to-point
- B. Point-to-multipoint
- C. Omnidirectional
- D. Semidirectional
- E. Mesh
- F. Bridge

Correct Answer: ADF

QUESTION 15

802.11a operates in the _____ GHz frequency range and uses the _____ frequency bands.

- A. 2.4, OFDM
- B. 2.4, ERP
- C. 2.4, HR/DSSS
- D. 5, OFDM
- E. 5, UNII

Correct Answer: E

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