

# PW0-071<sup>Q&As</sup>

Certified Wireless Technology Specialist - Sales (CWTS)

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**QUESTION 1**

What two factors are used to calculate the wavelength of an RF wave? (Choose 2)

- A. Frequency
- B. Speed of light
- C. Amplitude
- D. Phase

Correct Answer: AB

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**QUESTION 2**

Which explanations of antenna usage are the most accurate? (Choose 2)

- A. A parabolic dish antenna is ideal for directing a beam down a long hallway.
- B. An omni-directional antenna is well-suited to provide wireless coverage in most homes.
- C. Patch antennas are mounted in the center of a lecture hall to provide circular coverage.
- D. A dipole antenna is mounted to a perimeter wall in school buildings to provide coverage inside the building.
- E. A grid antenna is designed to perform favorably as part of an outdoor point-to-point link under windy conditions.

Correct Answer: BE

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**QUESTION 3**

Select the statement that correctly describes the Wi-Fi Alliance's primary role in the WLAN industry.

- A. The Wi-Fi Alliance is a WLAN industry analyst firm that reports market trends and developments.
- B. The Wi-Fi Alliance ensures interoperability of band selection and power settings across regulatory domains.
- C. The Wi-Fi Alliance creates compliance standards around which vendors can develop products.
- D. The Wi-Fi Alliance creates recommended practices by which the IEEE can test and certify product interoperability.
- E. The Wi-Fi Alliance tests and certifies product interoperability based upon standards created by the IEEE.

Correct Answer: E

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**QUESTION 4**

Given: In order to reduce travel-related expenses, your CFO has enacted a company policy that eliminates cellular data

connectivity for traveling users. Many of your users must connect to the office network during travel, but you have security concerns about wireless hot-spot usage.

To address these concerns, what advice should you give to your traveling users with regard to wireless hot-spot usage? (Choose 2)

- A. Only use hot-spots that offer either WPA2-PSK or 802.1X/EAP user-based security.
- B. Before connecting at hot-spots, conduct a scan to see if hacking tools are in use.
- C. Verify that personal firewall and antivirus software are both enabled before connecting.
- D. You should only use fee-based hot-spots which are more secure than free hot-spots.
- E. Always use company-provided VPN client software after connecting to the Wi-Fi network.

Correct Answer: CE

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#### QUESTION 5

In order to assess your customer's Wi-Fi network needs, you have arranged an initial meeting with your customer's representatives and your systems engineer. So that you can request cooperation and input from all stakeholders, which individuals from your customer's company should you invite to this functional requirements meeting? (Choose 2)

- A. Network administrator
- B. Wireless end users
- C. Director of Human Resources
- D. Software engineering manager
- E. Facilities manager

Correct Answer: AE

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#### QUESTION 6

What statement accurately describes an advantage of manual RF site surveys over predictive site surveys?

- A. Manual site surveys are useful for locating and identifying sources of RF interference, while predictive site surveys are not capable of this task.
- B. Manual site surveys are more efficient than predictive site surveys in large facilities because GPS mapping can be used.
- C. Manual site surveys are more accurate than predictive site surveys because they take advantage of complex computer simulations.
- D. Manual site surveys allow the site surveyor to create a static RF environment, whereas predictive site surveys are subject to changes in the RF environment.

Correct Answer: A

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## QUESTION 7

As a new salesperson for ABC Company's Golden Gate division, you are tasked with selling Wi-Fi equipment. While evaluating the manufacturer's specifications for a specific Wi-Fi device, you read that this device supports 802.1X/EAP. What capability does this feature provide?

- A. QoS for multimedia applications
- B. Power Save functionality
- C. Air Time Fairness
- D. User identity validation

Correct Answer: D

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## QUESTION 8

As an alternative to using leased lines to connect two offices on the same campus, your customer wants to implement a Wi-Fi solution. When asked by your customer, what advantages do you cite regarding use of a Wi-Fi infrastructure instead of a leased line? (Choose 2)

- A. Wi-Fi implementations are more reliable than leased lines.
- B. Wi-Fi implementations have a lower total cost of ownership than leased lines.
- C. Wi-Fi implementations are not susceptible to outages caused by inclement weather.
- D. Wi-Fi implementations support larger numbers of simultaneous connections than leased lines.
- E. Wi-Fi implementations offer more flexibility and easier expansion than leased lines.

Correct Answer: BE

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## QUESTION 9

You are hired by ABC Company to recommend an appropriate solution for their wireless network. They would like to operate in the 2.4 GHz ISM frequency band and will require data throughput in excess of 10 Mbps. To meet that need, you recommend equipment compliant with the \_\_\_\_\_ or \_\_\_\_\_ amendments to the 802.11 standard. (Choose 2)

- A. 802.11a
- B. 802.11b
- C. 802.11i
- D. 802.11g
- E. 802.11n

Correct Answer: DE

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**QUESTION 10**

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

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**QUESTION 11**

In what situation is an RF site survey LEAST needed?

- A. Office with 3 APs in a multi-tenant building
- B. Wi-Fi network with 100 APs at a hospital
- C. Telecommuters using a single "remote AP" at home
- D. Wi-Fi hot-spot with 10 APs at an airport

Correct Answer: C

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**QUESTION 12**

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

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**QUESTION 13**

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

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## QUESTION 14

Given: In ABC Company's branch office, there are three 802.11n access points serving 20 Wi-Fi clients for email, web browsing, and occasional file sharing. Some users sit at a picnic table outside the building during lunchtime and have complained that the network is slow and connectivity is intermittent during this period of time.

What is the most likely cause of the slow and intermittent connectivity?

- A. The users experiencing connectivity problems are using WPA2-Personal, which has shorter range than 802.1X/EAP.
- B. WLANs require visual line-of-sight, and only those clients that can see an AP through a window can connect.
- C. The picnic tables are located at the edge of the effective range of Wi-Fi coverage.
- D. The client laptops are using 802.11g radios that are not fully interoperable with 802.11n.

Correct Answer: C

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## QUESTION 15

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

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