



**Exam: 646-401**

**Title : Wireless LAN AM**

**Ver : 01.02.04**

## Missing answers will be provided shortly.

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**QUESTION 1** What are three key benefits of WLAN technology for a vertical industry? (Choose three)

- A. Hotels can increase customer loyalty by providing guest with high-speed, mobile Internet access.
- B. Hospitals can improve patient care by providing quick access to accurate patient information at the patient bedside.
- C. Retail stores can flexibly, and without wiring costs, place wireless point of sale (POS) devices anywhere in the store.
- D. Educational institutes can quickly connect temporary classroom trailers to the main school building with low-cost leased lines.

Answer:

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**QUESTION 2** What are four benefits of using Cisco Aironet workgroup bridge (WGB) (Choose four)

- A. Free drivers are provided for device access.
- B. It can be used in a non-Cisco 802.11b WLAN infrastructure.
- C. It eliminates cable installation costs and lowers facilities costs.
- D. Equipment can be easily moved as workgroups change in number or location.
- E. If attached to a hub, it can provide up to 8 MAC addresses to support access from wired devices.
- F. It supports remote workgroups up to 10 miles away with clear line of sight to a wireless bridge by using an optional long-range antenna.

Answer:

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**QUESTION 3** The process of a client attaching to an Access Point (AP) includes authentication and association. Which two statements are true? (Choose two)

- A. Association is the process of associating a client with a given AP.
- B. Authentication is the process of verifying the credentials of a user desiring to join a WLAN.
- C. Authentication is the process of verifying the credentials of a client desiring to join a WLAN.
- D. Association is the process of associating an AP with a specific Service Set Identifier (SSID) entry.
- E. Association is the process of associating a user with a specific client entry in the RADIUS database.
- F. Authentication is the process of verifying the credentials of a session-generated Wired Equivalent Privacy (WEP) key.

Answer:

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**QUESTION 4** The 802.11 standard defines a type of security called Wired Equivalent Privacy (WEP). What are three characteristics of WEP as defined in 802.11? (Choose three)

- A. 40-bit keys
- B. Statically defined keys
- C. Username/password authentication
- D. Ability to dynamically create WEP keys
- E. Wireless client and Access Point (AP) share static keys

Answer:

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**QUESTION 5** The Service Set Identifier (SSID) was a common method of securing early WLANs. Which two describe the SSID? (Choose two)

- A. 40-bit keys
- B. One-way authentication

- C. Medium level of security
- D. Network naming scheme for RF networks
- E. Must match on both client and Access Point (AP)

Answer:

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**QUESTION 6** What are three features of Cisco Aironet Access Points (APs)? (Choose three)

- A. It provides Layer 3 routing.
- B. It has ports for up to 8 wired machines.
- C. It allows wireless clients to access a network.
- D. It controls traffic flow to and from the wired network.
- E. It allows for seamless roaming between wireless cells.

Answer:

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**QUESTION 7** What are two benefits of WLAN mobility in the educational market? (Choose two)

- A. A workgroup bridge (WGB) can connect a mobile "classroom on a cart" to the main network, sharing scholastic aids where needed.
- B. WLAN technology can provide network access to all student records and instructional materials, giving access to both students and teachers.
- C. WLAN technology provides a low-cost solution to connect classroom trailers to the main building, overcoming the prohibitive cost of wiring and cabling.
- D. WLAN technology enables schools to quickly establish high-speed network connections between buildings, incurring only leased line installation costs.

Answer:

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**QUESTION 8** Which four statements are true about a Cisco wireless bridge? (Choose four)

- A. It operates at Layer 2.
- B. It can act as an AP in some applications.
- C. It does not add to the Ethernet hop count
- D. It provides IP subnetting on the remote LAN.
- E. It is viewed as simply a cable by the network.
- F. Obstacles such as buildings, trees, and hills have no effect.

Answer:

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**QUESTION 9** What are two uses and benefits of WLAN technology in a medial context? (Choose two)

- A. Medical teams can do patient rounds with wireless carts to look up records and lab results.
- B. Doctors can check the Internet instantly to research medical conditions from the patient's bedside.
- C. Hospitals can raise productivity by providing nurses with access to patient records from home.
- D. Medical research groups can share resourced across multiple hospitals throughout a given radio frequency (RF) regulatory domain.

Answer:

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**QUESTION 10** Which two credentials are needed with the LEAP authentication method? (Choose two)

- A. WEP key
- B. Password
- C. Public key
- D. User name

E. EAP logon

Answer:

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**QUESTION 11** You have an environment where extended wireless cell coverage is needed, but access to the backbone is not practical or available. Which two answers correctly describe what is needed for this solution? (Choose two)

- A. Wireless bridge
- B. 50% cell overlap
- C. Wireless repeater
- D. Workgroup bridge
- E. 10-15% cell overlap
- F. Line of sight to AP or wireless bridge

Answer:

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**QUESTION 12** What are three business drivers for using a Cisco WLAN? (Choose three)

- A. The need to increase the number of network users.
- B. The need to move networked work resources frequently.
- C. The need to increase productivity with employee mobility.
- D. The need to use older building, leased space, or temporary sites with wiring issues.

Answer:

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**QUESTION 13** What are three available sources of inline power for the Access Point (AP) 350? (Choose three)

- A. Inline power injector
- B. 7500 series routers
- C. 3524-PWL-XL switch
- D. Standard power cable
- E. Inline power patch panel

Answer:

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**QUESTION 14** What are three metrics used to measure return on investment (ROI) for implementing Cisco WLAN solutions in a vertical industry? (Choose three)

- A. In hospitality, higher room occupancy rates, when a WLAN is used to attract business professionals.
- B. In retail, higher inventory turnover rates, when a WLAN solution is used for timely restocking of merchandise.
- C. In health care, higher recovery rates, when a WLAN solution is used to provide patient care at the bedside.
- D. In education, higher student attendance rates, when a WLAN is used to provide sick students access to school resources from home.
- E. In financial services, lower litigation costs when a WLAN is used to protect assets, such as customer account information, from security breaches.

Answer:

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**QUESTION 15** What is a common business driver for a Cisco in-building WLAN solution?

- A. Improving the performance of a traditional wired network.
- B. Extending operations to a remote location in another city.
- C. Moving, adding, and changing user locations without rewiring.

D. Increasing the number of users authorized to access the network.

Answer:

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**QUESTION 16** What are three factors that make a Cisco WLAN ideal for communications in fast-growing organizations? (Choose three)

- A. Ability to dispose of traditional LANs.
- B. Quick establishment of temporary workgroups.
- C. Access to Internet websites without traversing a firewall.
- D. Location of computers where it is impractical or impossible to run cable.
- E. Ability for portable computers to roam freely within a city while maintaining network access.
- F. Access to real-time information from conference rooms, reception areas, and other temporary locations.

Answer:

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**QUESTION 17** Why buy a Cisco WLAN solution for its security features?

- A. It transmits around physical barriers.
- B. It prevents corruption of data by radio interference.
- C. It recovers data lost during transmission between buildings.
- D. It protects confidential or proprietary data transmitted over WLAN via radio waves.

Answer:

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**QUESTION 18** Cisco WLAN security supports Wired Equivalency Privacy (WEP) technology. How does WEP technology protect proprietary data?

- A. It creates duplicate data packets for redundancy.
- B. It limits network access to authorized users only.
- C. It detects potential internal and external network intrusion.
- D. It encrypts the text using a 40-bit or 128-bit encryption key.

Answer:

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**QUESTION 19** Enterprise customers are adding WLAN and wireless bridge components to their networks in order to extend wired networks without \_\_\_\_\_.

- A. Wire-related costs
- B. Additional equipment
- C. Changes in personnel
- D. Relocation of resources

Answer:

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**QUESTION 20** A high-growth manufacturing company plans to lease new buildings within sight of the existing campus, while avoiding unnecessary networking expenses. What is the best positioning statement for this sales situation?

- A. Cisco wireless bridges allow companies to quickly set up a shared single hop-speed line to the Internet across a campus.
- B. Cisco wireless bridges are high-speed, high-power radio transceivers that connect two or more buildings that are up to 25 miles apart in a single LAN.
- C. Cisco wireless bridges allow companies to quickly relocate and distribute resources in disparate buildings within a campus, without replacing the existing traditional LAN.
- D. Cisco wireless bridges enable companies to quickly add line-of-sight buildings to a high-speed campus

network, without the high cost associated with trenches, leased lines, and right-of-way issues.

Answer:

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**QUESTION 21** How do Cisco wireless bridges create a single LAN?

- A. By seamlessly linking remote networks.
- B. By encrypting data that transmit through the air.
- C. By easily connecting mobile users to a backbone LAN.
- D. By cleanly transmitting data through ceilings, floors, and walls.

Answer:

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**QUESTION 22** What is the key advantage of WLAN deployment in multi-dwelling units (MDUs) and multitenant units (MTUs)?

- A. The WLAN optimizes the use of costly network resources, such as printers, through increased mobility.
- B. Simplified WLAN installation and management allows users to share resources without significant labor costs.
- C. Proximity to an Access Point (AP) allows multiple users to access the Internet without the cost of installing cable.
- D. When implementing the WLAN, the user does not need to consider physical obstructions or distances within the building unit.

Answer:

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**QUESTION 23** Which four statements about the radios within the Cisco Aironet 350 and 1200 Access Points (APs) are true? (Choose four)

- A. They are WECA "Wi-Fi" compliant.
- B. They meet the 802.11b specification.
- C. Cisco is shipping its 1 st generation of 802.11b products.
- D. They meet the 802.11, 802.11a and 802.11b specifications.
- E. They improve upon 802.11 WEP by implementing 802.1x and Cisco LEAP.
- F. 802.11 does not cover the communication between Access Point (APs) and the backbone infrastructure, however this is an area where Cisco Aironet Wireless excels.

Answer:

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**QUESTION 24** Which are four unique features that apply to both the Cisco Aironet 350 and 1200 Access Points (APs)? (Choose four)

- A. Inline power
- B. An 802.11b radio
- C. Fixed internal antenna
- D. Plenum-rated enclosure
- E. Dual-cell service area (DSA)
- F. 100 mW output power on the 802.11b radio

Answer:

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**QUESTION 25** Cisco Aironet series Access Points (APs) deliver improved performance even in harsh environments. Which four Access Point (AP) characteristics contribute to this industry-leading range and reliability? (Choose four)

- A. Inline power

- B. Antenna diversity
- C. Receive sensitivity
- D. Transmit sensitivity
- E. 100 mW transmit power
- F. Superior delay spread characteristics

Answer: