

Cisco

Exam 350-050

CCIE™ Wireless Written (v2.0)

Version: 9.2

[Total Questions: 315]

Topic 1, Volume A**Question No : 1 - (Topic 1)**

Which two security features are associated with a wireless network employing 802.11i configured as a Robust Security Network? (Choose two.)

- A. WEP
- B. AES-CCMP
- C. 802.11x
- D. IPsec
- E. TKIP
- F. 802.1x

Answer: B,F

Question No : 2 - (Topic 1)

Before conducting a passive RF site survey with a standalone AP, which two of these should be statically configured on the AP? (Choose two.)

- A. passive client
- B. channel assignment
- C. DTPC
- D. Tx power level
- E. channel scan defer priority

Answer: B,D

Question No : 3 - (Topic 1)

After interviewing a customer to understand wireless client requirements, you determine that 802.11b must be enabled to support legacy clients within a mixed-mode environment. Which recommendation will have the greatest impact on mitigating the effects of 802.11b clients on the rest of the network?

- A. Restrict OFDM modulation from being used.
- B. Make 11 Mb/s the lowest mandatory rate.

- C. Enable a separate SSID for 802.11b clients.
- D. Enable a short preamble.

Answer: B

Question No : 4 - (Topic 1)

In a Cisco Unified Wireless Network environment, which two of these are required in order for clients to connect with MCS data rates? (Choose two.)

- A. EDCF
- B. client MFP
- C. multiple spatial streams
- D. AES-CCMP
- E. 40-MHz channels

Answer: A,D

Question No : 5 - (Topic 1)

The 802.11-2007 standard includes which two amendments to the original 802.11 standard? (Choose two.)

- A. 802.11c
- B. 802.11d
- C. 802.11j
- D. 802.11r
- E. 802.11u

Answer: B,C

Question No : 6 - (Topic 1)

You are designing a wireless network utilizing EAP-TLS. One design requirement is to provide per-user differentiated QoS using only one SSID. What is the best way to achieve this goal?

- A. using WMM override
- B. using Cisco AireSpace VSAs
- C. using QoS Enhanced BSS
- D. using AP groups

Answer: B

Question No : 7 - (Topic 1)

What does the letter P in the designation of the AIR-CAP3502P AP indicate?

- A. The AP supports the new IEEE 802.11p (WAVE) wireless standard.
- B. The AP requires professional installation.
- C. The AP can be used in plenum applications.
- D. The AP is compatible with polarization type antennae.

Answer: B

Question No : 8 - (Topic 1)

You are converting your wireless infrastructure from a data-only design to a location services design. Which task do you need to complete?

- A. Disable the DSSS speeds for RFID compatibility.
- B. Use fewer APs to avoid RFID 3D imaging.
- C. Set APs to maximum power for RF fingerprinting.
- D. Locate APs at the edges of your coverage area for trilateration.

Answer: D

Question No : 9 - (Topic 1)

Which statement about heat maps on Cisco WCS is true?

- A. They are predictive and rely only on the accuracy of the information that is provided with the map.
- B. They are based on real-time actual values if Cisco Compatible Extensions is enabled on

the APs.

- C. They are predictive but can be converted to real values by using the Refresh from network button.
- D. They are based on real-time actual values because of fingerprinting.

Answer: A

Question No : 10 - (Topic 1)

A clause 15 radio uses _____ and supports data rates of _____ .

- A. FHSS or DSSS, 1 Mb/s up to 11 Mb/s
- B. DSSS, 1 Mb/s and 2 Mb/s
- C. FHSS, 1 Mb/s and 2 Mb/s
- D. DSSS, 1 Mb/s up to 11 Mb/s

Answer: B

Question No : 11 - (Topic 1)

_____ is classified as an 802.11i RSN with _____ as the mandatory encryption protocol.

- A. WEP, TKIP
- B. WPA2, TKIP
- C. WPA, AES
- D. WPA2, AES

Answer: D

Question No : 12 - (Topic 1)

You are designing an autonomous wireless network for an office building that is located near a local airport. The customer requires the use of 802.11a/n clients only, and the APs must never change their channel after they are configured. Which two UNII bands and channels should you restrict the APs to use on the 5 GHz radios? (Choose two.)

- A. UNII-1 and UNII-3
- B. UNII-1 and UNII-2 extended
- C. 36-52 and 149-161
- D. 36-48 and 100-140
- E. 52-64 and 149-161
- F. 36-48 and 149-161

Answer: A,F

Question No : 13 - (Topic 1)

You have been hired to install an outdoor wireless network for a small city. The design must provide 360 degrees of coverage from a central location and at least 33 Mb/s of aggregate bandwidth for clause 18 radio clients. How do you design this solution?

- A. Three or more patch antennas installed in a circular pattern on the same supporting structure
- B. One high-gain omni-directional antenna
- C. Three or more parabolic dish antennas installed in a circular pattern on the same supporting structure
- D. Three or more sector array antennas installed in a circular pattern on the same supporting structure
- E. Three or more Yagi antennas installed in a circular pattern on the same supporting structure

Answer: D

Question No : 14 - (Topic 1)

Which three security threats require the Cisco Adaptive WIPS service for mitigation?
(Choose three.)

- A. on/off-channel rogue
- B. spectrum intelligence
- C. man-in-the-middle attack
- D. rogue switch-port tracing
- E. zero-day attack
- F. network reconnaissance

Answer: C,E,F

Question No : 15 - (Topic 1)

Which of the following are required components for Client MFP? (Choose two.)

- A. CCXv4
- B. CCXv5
- C. 802.11n
- D. WPA2 w/TKIP or AES-CCMP
- E. AnyConnect 3.0

Answer: B,D

Question No : 16 - (Topic 1)

Which of the following statements are true regarding RLDP? (Choose two)

- A. RLDP works only on APs configured in Open Authentication mode.
- B. RLDP only works if the AP is in Monitor Mode.
- C. RLDP will attempt to identify each Rogue AP only once.
- D. RLDP only works if the Rogue AP is connected to a VLAN that is reachable by the WLC.
- E. RLDP only works if the AP is in Local Mode.

Answer: A,D

Question No : 17 - (Topic 1)

Which of the following statements are not correct about Client Management Frame Protection (MFP)? (Choose 2.)

- A. Client MFP can replace Infrastructure MFP in case only CCXv5 clients are used.
- B. Client MFP encrypts class 3 Unicast management frames using the security mechanisms defined by 802.11i.
- C. In order to use Client MFP the client must support CCXv5 and negotiate WPA2 with AES-CCMP or TKIP.
- D. The only supported method to obtain the pre-user MFP encryption keys is EAP authentication.

E. CCXv5 client and access points must discard broadcast class 3 management frames.

Answer: A,D

Question No : 18 - (Topic 1)

Corporation XYZ just underwent a third-party security audit. The auditors have required that the corporation implements 802.1x on its wireless network and disable all pre-shared key WLANs as soon as possible. XYZ does not have an internal CA installed to provide server certificates today. However, it wishes to implement an EAP method that requires clients to use server authentication in the future. XYZ also needs an EAP method that will allow both Active Directory user authentication and time-based tokens.

What is the best EAP method for XYZ to implement?

- A. TTLS
- B. PEAP
- C. FAST
- D. TLS

Answer: C

Question No : 19 - (Topic 1)

Which of the below parameters are used in calculating the range - maximum distance - of an outdoor link between two bridges? Choose two.

- A. The cable length between bridge and the connecting switch.
- B. The bridge transmission power.
- C. The outside temperature.
- D. The modulation type.
- E. The length of the antenna.

Answer: B,D

Question No : 20 - (Topic 1)

When viewed from the side (in the H-plane), which two of the below statements describe the radiation pattern of a patch and a Yagi antenna? (Choose two.)

- A. the patch patterns are egg-shaped.
- B. the patch patterns are conical.
- C. the patch patterns are doughnut-shaped.
- D. the Yagi patterns are conical.
- E. the Yagi patterns are egg-shaped.
- F. the Yagi patterns are doughnut-shaped.

Answer: A,D

Question No : 21 - (Topic 1)

The transmit power level on an 802.11a radio is configured for 25 mW. What is the corresponding value in decibels?

- A. 2.5 dBm
- B. 3 dBm
- C. 14 dBm
- D. 18 dBm
- E. none of the above

Answer: C

Question No : 22 - (Topic 1)

Users complain about intermittent wireless connectivity issues. You see the following message on your Cisco WCS, corresponding the time the connectivity issues occurred.

AP 'building-1-entrance', interface '802.11b/g' on Controller '10.1.1.2'. Noise threshold violated.

What do you do?

- A. Increase the interference threshold from the default 10%.

- B. Use a spectrum analyzer to discover the noise source.
- C. Check the logs for rogues in the area, and turn on rogue mitigation.
- D. Increase the power of the APs in the entrance hall.

Answer: B

Question No : 23 - (Topic 1)

Which environmental phenomena can cause considerable degradation to your wireless signals?

- A. multipath, reflection, scattering, refraction
- B. multipath, alpha particles, diversity, absorption
- C. multipath, cosmic radiation, free path loss, scattering
- D. multipath, convergence, refraction, gamma rays

Answer: A

Question No : 24 - (Topic 1)

You are working for a South American services integrator. Your customer has a working unified Cisco WLC solution in Costa Rica (-A domain). You need to integrate an office in Panama (-N domain); correct APs are already deployed for this domain. Which approach do you take?

- A. Do nothing. These APs will work on the same Cisco WLC because the countries are neighbors.
- B. Change the APs in the Panama office to AIR-CAP3502E-N-K9, which have external antennae.
- C. Use the config domain add -N command on the Cisco WLC.
- D. Add the country code for Panama (PA) through the Cisco WLC web GUI.

Answer: D

Question No : 25 - (Topic 1)

Which role does the Wi-Fi Alliance fulfill regarding WLANs?