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QUESTION 1

What best describes WPA2 in relation to 802.11 wireless networks?

A. WPA2 is specified in the 802.11 standard as implementing CCMP/AES.

B. WPA2 is the standard that defines security for WLANs.

C. WPA2 is a certification created by the Wi-Fi Alliance that validates devices correctly implement CCMP/ AES.

D. WPA2 is the second version of WPA and it enhances security through the use of TKIP instead of WEP.

Correct Answer: B

QUESTION 2

You support a WLAN using dual- band 802.11ac three stream access points. All access points have both the 2.4 GHz and 5 GHz radios enabled and use 40 MHz channels in 2.4 GHz. A manager is concerned about the fact that each access point is connected using a 1 Gbps Ethernet link. He is concerned that the Ethernet link will not be able to handle the load from the wireless radios. What do you tell him?

A. His concern is valid and the company should upgrade all Ethernet link to 10 Gbps immediately.

B. His concern is valid and the company should immediately plan to run a second 1 Gbps Ethernet link to each AP.

C. Due to 802.11 network operations and dynamic rates used by devices on the network, the two radios will likely not exceed the 1 Gbps Ethernet link .

D. His concern is invalid because the AP will compress all data before transmitting it onto the Ethernet link.

Correct Answer: D

QUESTION 3

What statement about 802.3, Clause 33 Power over Ethernet is true?

A. When using CAT5 cabling, you increase the maximum draw available to the PD over that available with CAT6.

B. Only endpoint PSEs are supported.

C. Only midspan PSEs are supported.

D. The lowest voltage drop is achieved when using CAT6 cable instead of Cat5 or CAT5e.

Correct Answer: D

QUESTION 4

You are installing AP to be used by 23 laptops. All laptops will connect on the 5 GHz frequency band. A neighbor

network uses channels 1 and 6. What channel should be used for this AP and why?

A. Channel 6, because it is always best to use this channel

B. A 5 GHz channel, because channels 1 and 6 are 2.4 GHz channels they have no impact on the decision

C. Channel 1, because it is best to use the channel with the lowest frequency

D. Channel 11, because channels 1 and 6 are in use nearby

Correct Answer: B

QUESTION 5

An RF sigma sometimes bends as it passes through some material other than free space. What is the term that describes this behavior?

A. Reflection

B. Refraction

C. Scattering

D. Warping

Correct Answer: B

QUESTION 6

What non-standard WLAN solution attempts to give a longer transmission windows to devices with higher data rates then devise with lower data rates?

A. AirTime Fairness

B. Band Steering

C. ARM

D. RRM

Correct Answer: A

QUESTION 7

A WLAN is implemented using wireless controllers. The APs must locate the controllers when powered on and connected to the network. Which one of the following methods is commonly used to locate the controllers by the APs?

A. DHCP

B. GRE

C. NTP

D. SNMP

Correct Answer: A

Reference
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QUESTION 8

You are performing a post-implementation validation survey. What basic tool can be used to easily locate areas of high co-channel interference?

A. Throughput tester

B. Laptop-based spectrum analyzer

C. Access point spectrum analyzer

D. Wi-Fi scanner

Correct Answer: D

QUESTION 9

In WLAN security, what authentication method always creates Layer 2 dynamic encryption keys?

A. Shared Key

B. WEP

C. HTTPS captive portal

D. EAP-TLS

Correct Answer: B

Reference https://books.google.com.pk/books?id=0ZWLn57EdpsCandpg=PA142andlpg=PA142anddq=WLAN+security,
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QUESTION 10

A non-802.11 device is suspected of causing interference on the WLAN. You are not certain of the location or type of device. What is the best solution for locating this non-802.11 device?

A. Access point spectrum analyzer

B. Laptop-based spectrum analyzer with an omni-directional antenna

C. Laptop-based spectrum analyzer with an omni-directional antenna

D. Laptop-based spectrum analyzer with a directional antenna

Correct Answer: D

QUESTION 11

What 802.11 PHY uses available space in very low frequency ranges that is not in use at the time by broadcast video signals?

A. DMG

B. SIG

C. DSSS

D. TVHT

Correct Answer: C

https://www.cwnp.com/802-11ac-vht-just-the-facts/

QUESTION 12

When a STA has authenticated to an AP (AP-1), but still maintains a connection with another AP (AP-2), what is the state of the STA on AP-1?

A. Transitional

B. Unauthenticated and Unassociated

C. Authenticated and Unassociated

D. Authenticated and Associated

Correct Answer: A

https://www.cisco.com/c/en/us/td/docs/wireless/controller/8-1/Enterprise-Mobility-8-1-Design-Guide/
Enterprise_Mobility_8-1_Deployment_Guide/Chapter-11.pdf

QUESTION 13

The requirements for a WLAN you are installing state that it must support unidirectional delays of less than 150 ms and

the signal strength at all receivers can be no lower than -67 dBm. What application is likely used that demands these requirements?

A. VoIP

B. E-Mail

C. FTP

D. RTLS

Correct Answer: A

QUESTION 14

When compared with legacy Power Save mode, how does VHT TXOP power save improve battery life for devices on a WLAN?

A. Legacy Power Save mode was removed in the 802.11ac amendment.

B. VHT TXOP power save allows the WLAN transceiver to disable more components when in a low power state.

C. VHT TXOP power save uses the partial AID in the preamble to allow clients to identify frames targeted for them.

D. VHT TXOP power save allows stations to enter sleep mode and legacy Power Save does not.

Correct Answer: C

QUESTION 15

What is appended to the end of each 802.11 data frame after the payload?

A. FCS

B. Preamble

C. MAC header

D. PHY header

Correct Answer: A

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