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QUESTION 1

What cipher suite is specified by the 802.11-2016 standard and is not deprecated?

- A. Temporal Key Integrity Protocol
- B. Extensible Authentication Protocol
- C. Counter Mode with CBC- MAC Protocol
- D. Wired Equivalent Privacy

Correct Answer: C

QUESTION 2

You are reporting on the RF environment in your facility. The manager asks you to describe the noise floor noted in the report. Which of the following is the best explanation?

- A. The energy radiated by flooring materials that causes interference in the 2.4 GHz and 5 GHz bands.
- B. The noise caused by elevators, microwave ovens, and video transmitters.
- C. The RF energy that exists in the environment from intentional and unintentional RF radiators that forms the baseline above which the intentional signal of your WLAN must exist.
- D. The extra energy radiated by access points and client devices beyond that intended for the signal.

Correct Answer: B

Reference <http://blog.prosig.com/2008/04/14/what-is-db-noise-floor-dynamic-range/>

QUESTION 3

You are installing an 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 4

What common feature of MDM solutions can be used to protect enterprise data on mobile devices?

- A. Over-the-air registration
- B. Onboarding
- C. Containerization
- D. Self-registration

Correct Answer: B

QUESTION 5

You are troubleshooting a problem with interference from a non-802.11 device. Given that the device is not a WLAN device, you cannot use a protocol analyzer and have chosen to use a spectrum analyzer. You want to view the signal from the interfering device over time to see the activity that is generating.

What common spectrum analyzer view should you use for this analysis?

- A. Waterfall/Spectrogram
- B. Real-time FFT
- C. APs
- D. Clients

Correct Answer: A

QUESTION 6

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,+what+authentication+method+always+creates+Layer+2+dynamic+encryption+keysandsource=blandots=CBgudPbaRhandsig=s7kLv2NeFqfjoBK6A_X9T2Nc0kandhl=enandsa=Xandved=0ahUKEwithMDooazZAhXMCuwKHfSNckQ6AEI WTAH#v=onepageandq=WLAN%20security%2C%20what%20authentication%20method%20always%20creates%20Layer%20%20dynamic%20encryption%20keysandf=false

QUESTION 7

What ID is typically mapped to an AP's MAC address if a single BSS is implemented?

- A. VLAN ID
- B. BSSID
- C. Device ID
- D. SSID

Correct Answer: B

Reference [https://technet.microsoft.com/en-us/library/cc757419\(v=ws.10\).aspx](https://technet.microsoft.com/en-us/library/cc757419(v=ws.10).aspx)

QUESTION 8

A string of characters and digits is entered into an AP a client STA for WPA2 security. The string is 8 characters long. What is this string called?

- A. MSK
- B. WEP key
- C. Passphrase
- D. PSK

Correct Answer: C

Reference

http://www.arubanetworks.com/techdocs/ArubaOS_64x_WebHelp/Content/ArubaFrameStyles/VirtualAPs/SSID_Profiles.htm

QUESTION 9

You are troubleshooting a controller-based AP that is unable to locate the controller. DHCP is not used and the controller is located at 10.10.10.81/24 while the AP is on the 10.10.16.0/24 network. What should be inspected to verify proper configuration?

- A. NTP
- B. BOOTH
- C. DNS
- D. AP hosts file

Correct Answer: C

QUESTION 10

You recently purchased four laptops containing dual-band 802.11ac adapters. The laptops can connect to your 2.4 GHz network, but they cannot connect to the 5 GHz network. The laptops do not show the 5 GHz SSIDs, which are different than the 2.4 GHz SSIDs. Existing devices can connect to the 5 GHz SSIDs with no difficulty. What is the likely problem?

- A. Interference from non-Wi-Fi sources
- B. Faulty drivers
- C. DoS attack
- D. Interference from other WLANs

Correct Answer: D

QUESTION 11

What statement about 802.11 WLAN performance is true?

- A. In modern networks, both centralized and distributed data forwarding work well for most standard office deployments
- B. In most WLANs, no special skill or tuning is required to get peak performance
- C. WLANs perform better as more wireless clients connect with each AP
- D. To get the best performance out of an AP, you should disable data rates of 72 Mbps and lower

Correct Answer: D

QUESTION 12

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

QUESTION 13

What primary metric of scanning can stations use to select the best AP for connectivity to the desired BSS?

- A. Signal strength of AP beacons received.
- B. PING latency when testing against an Internet server.

C. FCS errors in frames transmitted to and from the AP.

D. Throughput speed in Mbps.

Correct Answer: A

QUESTION 14

In which plane of the three networking planes is an access point configured by a WLAN controlled?

A. Control

B. Management

C. Security D. Data

Correct Answer: B

QUESTION 15

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

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