

CWS-100.exam.27q

Number: CWS-100
Passing Score: 800
Time Limit: 120 min



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CWS-100

Certified Wireless Specialist

Exam A

QUESTION 1

Where is an omnidirectional antenna typically placed for best results?



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- A. Above the target coverage area
- B. The edge of the target coverage area
- C. Beneath the target coverage area
- D. The center of the target coverage area

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:



QUESTION 2

Which one of the following is an example of a real-time communications application?

- A. E-Mail
- B. VoIP (Voice over IP)
- C. Database access
- D. FTP file transfer

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 3

An AP has two Ethernet wired networking ports. One (port 1) is labeled with a Power over Ethernet (PoE) indicator and the other (port 2) is not. What is unique about port 1 when compared to port 2?

- A. It can be used to transfer voice data
- B. It can be used to transfer wireless data
- C. It can be used to power the AP
- D. It can be used to transfer wired data

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 4

What is the name given to the WPA2 implementation that uses a PSK (Pre-Shared Key)?

- A. Corporate
- B. Private
- C. Personal
- D. Enterprise



Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 5

What is implemented in 802.11 networks to increase the probability that higher priority communications will occur before lower priority communications?

- A. Load balancing
- B. Dynamic Frequency Selection (DFS)
- C. Dynamic Rate Switching (DRS)
- D. Quality of Service (QoS)

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 6

Which one of the following is an example of an antenna used mostly for bridge links?

- A. Panel
- B. Omnidirectional
- C. Parabolic dish
- D. Patch

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:



QUESTION 7

Which one of the following is most likely a signal strength minimum requirement for Voice over IP (VoIP) 802.11 handsets?

- A. -90 dBm
- B. -92 dBm
- C. -87 dBm
- D. -67 dBm

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 8

As RF waves pass through materials, what usually occurs?

- A. Phase shifts
- B. Increased signal strength
- C. Absorption
- D. Decreased frequency

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 9

What kind of security constraint can always be legally enforced on an organization?



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- A. Industry guidelines
- B. Organizational procedures
- C. Industry standards
- D. Regulatory

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 10

A tablet is a single stream client with one radio and one antenna. What 802.11 features is definitely not supported on this device?

- A. MIMO (Multiple-Input/Multiple-Output)
- B. DRS (Dynamic Rate Switching)
- C. Authentication
- D. Association

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 11

In what frequency band does an 802.11g (ERP) device operate?

- A. 60 GHz
- B. 2.4 GHz
- C. 5 GHz
- D. Sub-1 GHz



Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 12

What user behavior is most likely to require Wi-Fi coverage between buildings on the same campus?

- A. Walking between buildings while on a Voice over IP (VoIP) call
- B. Walking between buildings with a suspended laptop in a backpack
- C. Using laptops at their assigned office work areas
- D. Using tables within the buildings

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 13

In what kind of BSS is a gate and portal used based in the 802.11 standard?

- A. ESS (Extended Service Set)
- B. BSS (Infrastructure BSS)
- C. IBSS (Independent BSS)
- D. MBSS (Mesh BSS)

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:



QUESTION 14

You have a switch supporting 802.3at and you must power an AP that is 40 meters from the switch. What can be used to provide power to the AP?

- A. Transmit Power Control (TCP)
- B. Radio Resource Management (RRM)
- C. Power over Ethernet (PoE)
- D. Quality of Service (QoS)

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 15

Which one of the following is an example of a multi-band device?

- A. A laptop supporting only 802.11n in 2.4 GHz
- B. A laptop supporting 802.11n, 802.11ac, and 802.11ad
- C. A laptop supporting only 802.11n in 5GHz
- D. A laptop supporting only 802.11a

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 16

Which one of these vertical market facilities is most likely to require a high density deployment?

- A. Industrial
- B. Standard Enterprise Offices
- C. Small Office/Home Office (SOHO)
- D. Conference Centers

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 17

What is the maximum data rate of the original 802.11 standard DSSS PHY (Physical Layer)?

- A. 54 Mbps
- B. 1 Mbps
- C. 11 Mbps
- D. 2 Mbps

Correct Answer: B

Section: (none)

Explanation



Explanation/Reference:

QUESTION 18

When controller-based APs are used, where is the WLAN defined?

- A. In the controller
- B. In the master AP and it is then copied to all other APs
- C. In the first AP and it is then copied to all other APs
- D. In each individual AP

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 19

What must be defined in order to properly determine capacity requirements?

- A. Number of devices alone
- B. Number of devices and application characteristics
- C. Firmware version on neighboring network APs
- D. Application characteristics alone

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 20

When an AP supports both 2.4 GHz and 5 GHz, what term is commonly used to define this AP?

- A. Both-band
- B. Dual-band
- C. Either-bandD. Hyper-band

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 21

Which one of the following is considered a data-intensive application?

- A. Web Browsing
- B. Cloud Storage



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- C. E-Mail

- D. Voice over IP (VoIP)

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 22

What infrastructure software solution is often used to manage enterprise mobile devices?

- A. VPN
- B. MDM

- C. BYOD
- D. ESS

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 23

What channel width rarely, if ever, should be used in the 2.4 GHz frequency band, even though it is supported by the standard and available devices?

- A. 160 MHz
- B. 20 MHz
- C. 22 MHz
- D. 40 MHz

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:



QUESTION 24

RF waves are comprised of what two fields?

- A. Electric and magnetic
- B. Frequency and wavelength
- C. Phase and amplitude
- D. Phase and frequency

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 25

What kind of antenna is most frequently used with indoor APs?

- A. Grid
- B. Parabolic dish
- C. Internal
- D. Yagi

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 26

When planning for a bridge link between locations, in addition to the link distance, what requirement should be known in order to determine the antennas, settings and bridges to use?

- A. Required color
- B. Required power sourcing method
- C. Required throughput
- D. Required cable length



Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 27

What acronym is used to define the process of allowing users to use their personal devices on the enterprise WLAN?

- A. SSID
- B. BYOD
- C. MDM

D. BSSID

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:



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