# CWNP Certified Wireless Technology Specialist (CWTS) Exam

**1.** Which of these are NOT valid Service Set types as defined by the IEEE 802.11 standard?

A. BSS

B. IBSS

C. ESS

D. DSS

**Answer(s):** D

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**2.** Which of the following is true of RF propagation communication?

A. The range of RF transmissions increases with frequency.

B. Low RF signal strength does not mean poor communications.

C. Low signal quality does not necessarily mean poor communications.

D. Due to the distances involved, sunspots do not affect RF communications.

**Answer(s):** B

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**3.** A point-to-point link between two buildings requires at least two of which device?

☐ A. Workgroup Bridge

☐ B. Access Point

C. Wireless Bridge

D. Ethernet Converter

**Answer(s):** A B C

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**4.** Which type of the following are directional antennas? Select all that apply,

A. Yagi

B. Parabolic Dish

C. Patch

D. Omni

E. Dipole

F. Bipolar

**Answer(s):** A B C E

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**5.** Which of the following can cause Multipath? (Choose three)

A. Body of water

B. Flat stretch of earth

C. Metal roof

D. Mountains

E. Trees

F. Concrete walls

**Answer(s):** A B C

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**6.** Which of the following wireless LAN devices represent "legacy devices"? (Choose all that apply.

A. PCI Card

B. PC Card

C. ISA Card

D. USB adapter

E. Serial converter

**Answer(s):** C

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**7.** Which of these is required as part of a WLAN site survey? (Choose two)

☐ A. Lightning arrestor.

☐ B. Network manager interview.

☐ C. Mobile access point.

☐ D. VPN server.

**Answer(s):** B C

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**8.** Which of these items should be included in a RF Site Survey Report? (Choose two)

- [ ] A. Cost estimated of equipment for a wireless LAN.

- [ ] B. RF coverage drawings.

- [ ] C. A list of potential interference sources.

- [ ] D. Interviews with company executives on the requirements for a WLAN.

- [ ] E. Security solution suggestions.

**Answer(s):** B C

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**9.** The "hidden node" problem can be caused by?

A. Interfering obstacles between clients.

B. Clients broadcasting with too much power.

C. Access points broadcasting with too little power.

D. Clients being too close together.

**Answer(s):** A

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**10.** Antenna Diversity compensates for which of these common wireless LAN problems?

A. Near/Far

B. Hidden Node

C. Multipath

D. Adjacent Channel Interference

**Answer(s):** C

**11.** Which authentication, authorization, and accounting (AAA) support options does the 802.11 standard specify?

A. RADIUS

B. LDAP

C. TACACS+

D. None of the above

**Answer(s):** D

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**12.** To achieve 54 Mbps, 802.11a uses which type of data modulation?

A. QFSK

B. BPSK

C. 64QAM

D. CCK

**Answer(s):** C

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**13.** The IEEE 802.11 standard contains specifications on which of the following technologies?

A. 2.4 GHz FHSS, 2.4 GHz DSSS, Infrared

B. 2.4 GHz DSSS, 2.4 GHz FHSS

C. 2.4 GHz DSSS, Bluetooth

D. 2.4 GHz FHSS, Infrared

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**14.** Installing an extension cable to an antenna in a wireless LAN will have what effect? (Choose two)

☐ A. The coverage distance of the antenna will be decreased.

☐ B. The equivalent isotropically radiated power will be decreased.

☐ C. There will be no effect

☐ D. The RF signal power at the antenna input will be increased.

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**15.** Multipath can cause which of these effects at the receiving antenna? (Choose all that apply)

☐ A. Increased signal amplitude.

☐ B. Decreased signal amplitude.

☐ C. Null signal.

☐ D. Signal distortion.

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**16.** Which two of the following security issues exist with 802.11?

☐ A. No support for encryption.

☐ B. No support for roaming.

☐ C. Vulnerable to disassociation attacks.

☐ D. No central authentication, authorization, or accounting support.

**Answer(s):** C D

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**17.** Identify which of the following are appropriate uses of an IEEE 802.11 wireless LAN. (Choose all that apply)

☐ A. Mobile access into the company network from a PD

☐ B. "Core" role in an enterprise network.

☐ C. Building-to-building bridging as a MAN solution.

☐ D. Delivering data from applications that require full-duplex communications between nodes.

**Answer(s):** A C

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**18.** The anomaly that occurs when RF signals propagate from a transmitter bounce off objects and then cause problems at the receiver is known as:

A. Fresnel Zoning

B. Multipath

C. Microwave interference

D. Diffraction

**Answer(s):** B

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**19.** Which two functions can be configured on a WLAN client computer as part of the WLAN client utility software? (Choose two)

☐ A. RADIUS username and password.

B. Connection speed.

C. Continuous Aware Mode.

D. Spanning Tree Protocol.

E. Bit ordering

**Answer(s):** B C

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**20.** Part of the roaming process involves? (Choose all that apply)

A. Implementing Mobile IP

B. Active Beacons.

C. Active Scanning.

D. Passive Scanning.

**Answer(s):** A C D

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