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# HPE3-U01

*Aruba Certified Network Technician (ACNT)*

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**Question: 182**

What is a true statement about wireless communications using Wi-Fi?

- A. Amplitude, phase, and frequency of radio waves are modulated to transmit data
- B. Wireless communications have a maximum range of 10 meters (30 feet)
- C. Amplitude, phase, and frequency of radio waves are modulated to increase range
- D. Wireless communications have a minimum range of 10 meters (30 feet)

**Answer: C**

**Question: 183**

Exhibit:

What are valid configurable "Client VLAN Assignment" options for a Bridge-based WLAN in Aruba Central? (Select three.)

- A. native VLAN
- B. automatic VLAN
- C. hybrid VLAN
- D. static VLAN

**Answer: D**

**Question: 184**

Before routers forward unicast packets, what information is compared with the unicast routing table entries?

- A. The source address of the IP header.
- B. The destination address of the Ethernet header.
- C. The destination address of the IP header.
- D. The source address of the Ethernet header.
- E. The inbound port the packet is received in.

**Answer: B**

**Question: 185**

Which accurately describes the OSI Model?

- A. It is a reference model that describes data flow over the network using four layers.
- B. It is a reference model that is used to convert binary bits into analog signals.
- C. It is a reference model that explains how data is created by the application layer.
- D. It is a reference model that describes how data communications occur on a network.

**Answer: D**

### **Question: 186**

Which organization provides certifications that ensure interoperability between WLAN vendors?

- A. Institute of Electrical and Electronics Engineers
- B. Federal Communications Commission
- C. Wi-Fi Alliance
- D. Internet Engineering Task Force

**Answer: C**

### **Question: 187**

What is the maximum recommended distance for a 1 Gbps Ethernet connection using Cat 6 UTP-based cabling between a host and the switch where it is plugged in?

- A. 50 meters (164 feet)
- B. 100 meters (328 feet)
- C. 300 meters (984 feet)
- D. 15 meters (49 feet)

**Answer: B**

### **Question: 188**

Refer to Exhibit.

The PCs are not able to successfully establish bidirectional communication .

What change must you deploy to enable the communication between PC-1 and PC-2?

- A. change PC-1 's default gateway to 172.16.30.2
- B. change PC-1's IP address to 172.16.30.10
- C. change the Router's 1/1/1 interface IP to 172.16.30.254
- D. change PC-2's default gateway to 172.16.31.254

**Answer: C**

### **Question: 189**

Which protocol performs name to IP resolution?

- A. DHCP
- B. FTP

- C. DNS
- D. LLDP

**Answer: C**

**Question: 190**

What is the binary equivalent of the decimal number of 233?

- A. 11010101
- B. 11101001
- C. 11100101
- D. 11110001

**Answer: B**

**Question: 191**

To which wireless device category do a hardwire desktop PC belongs?

- A. stationary devices
- B. somewhat mobile devices
- C. highly mobile devices
- D. intermittent mobile devices

**Answer: C**

**Question: 192**

Which table must clients populate to remember the L2 addressing of their neighbors?

- A. MAC Table
- B. ARP Table
- C. Routing Table
- D. Ethernet Table

**Answer: A**

**Question: 193**

Which condition allows 5Ghz channels to avoid Adjacent Channel Interference?

- A. transmit at 40 MHz bandwidth
- B. transmit at high power levels
- C. transmit at low power levels
- D. transmit at 20 MHz bandwidth

**Answer: A**

**Question: 194**

Which dual-band IEEE WLAN standard provides up to 4.8 Gbps of theoretical data rate?

- A. 802.11 ac
- B. 802.1 lax
- C. 802.1 In
- D. 802.11 be

**Answer: D**

Explanation:

<https://ieeexplore.ieee.org/iel7/6287639/8948470/09090146.pdf>

### **Question: 195**

You have connected a Multilayer switch to an Internet Service Provider router that has the 172.16.31.254 IP address .

What configuration line do you have to enter on your switch to enable internet access?

- A. route 172.16.31.254 0.0.0.0 0.0.0.0
- B. Ip route 0.0.0.0/0 172.16.31.254
- C. routing 0.0.0.0/0 172.16.31.254/24
- D. ip routing 0/0 172.16.31.254

**Answer: A**

### **Question: 196**

Which command should you enter to access the second interface of a one-rack-unit standalone ArubaOS-CX switch?

- A. Interface 0/0/2
- B. Interface 1/0/2
- C. Interface 1/1/2
- D. Interface 0/1/2

**Answer: C**

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