



Free Questions for HPE3-U01 by certsinside

Shared by Hess on 24-05-2024

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Question 1

Question Type: MultipleChoice

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

Options:

- A- 802.11 ac
- B- 802.11ax
- C- 802.11n
- D- 802.11be

Answer:

D

Explanation:

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

Question 2

Question Type: MultipleChoice

Which command should you enter to access the second interface of the third slot in a modular ArubaOS-CX switch?

Options:

- A- Interface 0/3/2
- B- Interface 0/2/3
- C- Interface 1/3/2
- D- Interface 3/1/2

Answer:

D

Question 3

Question Type: MultipleChoice

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

Options:

A- Interface 0/0/2

B- Interface 1/0/2

C- Interface 1/1/2

D- Interface 0/1/2

Answer:

C

Question 4

Question Type: MultipleChoice

What are the key differences between L2 switches and routers? (Select two.)

Options:

- A- Switches build an ARP table, while routers build a port table.
- B- Switches build a MAC table while routers build a routing table.
- C- Switches are considered L2 devices, while routers are L4.
- D- Switches offer a considerably higher port density than routers.
- E- Routers offer a considerably higher port density than switches.

Answer:

B, D

Question 5

Question Type: MultipleChoice

What are characteristics of Aruba Central? (Select two.)

Options:

- A- It must be deployed as an on-premises server.
- B- It manages networking equipment using SNMP.
- C- It manages networking equipment using HTTPs.
- D- It can manage third-party networking equipment.
- E- It is considered cloud-based network management.

Answer:

D, E

Question 6

Question Type: MultipleChoice

Which unit of measurement is recommended for expressing radio frequency power due to its logarithmic nature?

Options:

A- lumens

B- decibel relative to isotrope (dBi)

C- milliwatt (mW)

D- decibel relative to milliwatt (dBm)

Answer:

D

Explanation:

Decibel (dB)

Decibel is a logarithmic unit of measure used to express the ratio of two values of the same measure. This unit is not included to the System International of units (SI), but it is widely used in communication systems and many other technical fields, as it allows to compare two values of any nature, provided that these values are expressed in the same unit.

Decibel is a decile of the main, larger unit --- Bel. Bel is a common logarithm of the ratio of two energies. But in practice Bel was a far too big value, therefore its tenth part is used -- decibel.

The logarithmic method of presentation of numbers often can be very useful, as it allows to replace multiplication with addition, division with subtraction, raising to power with multiplication, and extracting a root with the division.

What is measured in dB in the MRFC:

Gain constant

Sound level

Signal/noise ratio

Signal attenuation

https://en.cyclopedia.ifcg.ru/wiki/Radiofrequency_characteristics

Question 7

Question Type: MultipleChoice

Which Wi-Fi technology assists with data privacy on open networks?

Options:

- A- Simultaneous Authentications of Equals (5AE)
- B- Opportunistic Wireless Encryption (OWE)
- C- Commercial National Security Algorithm (CNSA)
- D- Wi-Fi Protected Access 2 (WPA2)

Answer:

D

Question 8

Question Type: MultipleChoice

Which organization provides certifications that ensure interoperability between WLAN vendors?

Options:

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

Answer:

C

Explanation:

<https://www.wi-fi.org/certification>

Question 9

Question Type: MultipleChoice

Which accurately describes the TCP/IP Model? (Select two.)

Options:

- A- It is a set of communication protocols used on TCP-based networks only.
- B- It specifies how to compress, fragment, encrypt, and analyze data.
- C- It specifies how to assemble, address, transmit, route, and disassemble a data packet.
- D- It is a set of communication protocols used on IP-based networks only.
- E- It is a set of communication protocols used on Ethernet-based networks only.

Answer:

C, D

Question 10

Question Type: MultipleChoice

Which traffic type is used for one-to-one communication?

Options:

A- Broadcast

B- Anycast

C- Unicast

D- Multicast

Answer:

C

Explanation:

Question 11

Question Type: MultipleChoice

What is part of the 5 GHz band?

Options:

- A- Channel 12 and 13
- B- U-NII 5
- C- Channels 149 to 161
- D- Channel 14

Answer:

C

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