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QUESTION 1

The PC is sending a message to the server. Which devices have performed Layer 2 encapsulation by the time the message arrives at the server? (Select two.)

- A. PC
- B. Server
- C. Router
- D. switch-2
- E. Switch-1

Correct Answer: DE

QUESTION 2

What is the binary equivalent of the Hexadecimal number 17?

- A. 11001
- B. 10111
- C. 10001
- D. 1110001

Correct Answer: B

QUESTION 3

Which statements are true about a router? (Select two.)

- A. They are considered layer two devices.
- B. They utilize protocols to learn all possible paths.
- C. They are considered layer four devices.
- D. They are considered layer three devices.
- E. They analyze source addresses to learn paths.

Correct Answer: DE



QUESTION 4

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

- 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.

Correct Answer: CD

QUESTION 5

Which statement accurately describes an omnidirectional antenna?

- A. Radiates equal power in all directions in the Elevation Plane.
- B. Radiates almost equal power in all directions in the Vertical Plane.
- C. Radiates more power in a specific angle and less power in others.
- D. Radiates almost equal power in all directions in the Horizontal Plane.

Correct Answer: A

QUESTION 6

Which organization is in charge of determining the International Standards?

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

Correct Answer: D

QUESTION 7

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

- A. lumens
- B. decibel relative to isotrope (dBi)



C. milliwatt (mW)

D. decibel relative to milliwatt (dBm)

Correct Answer: D

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 8

Which represents a valid Basic Service Set Identifier (BSSID)?

A. the radio and all its associated clients

B. the name of the wireless network

C. a group of radios and all its WLAN clients

D. a radio's MAC address assigned to a WLAN

Correct Answer: B

QUESTION 9

Which characteristic allows switches to mitigate collisions?

A. The switches support VLANs that segment the collision domains.

B. The switches use L3 protocols that eliminate collisions.

C. The switches' ports are independent collision domains.

D. The switches have proprietary features that help eliminate collisions.

Correct Answer: A

QUESTION 10

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

Correct Answer: C

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

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