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QUESTION NO: 1

Which area of the network is considered the backbone?

- A. data center
- B. core
- C. distribution layer
- D. LAN access layer

Answer: B

Explanation:

The *core* is the backbone of the network, a central or common point where traffic flows between users, their workgroups, and shared resources. Most inter-workgroup traffic flows through the core, so it is important that networking devices located in the core introduce little or no delay (latency). Core switches are usually wire-speed, highly available devices.

QUESTION NO: 2

Which device forwards network traffic based only on Layer 2 information?

- A. router
- B. switch
- C. hub
- D. firewall

Answer: C

Explanation:

QUESTION NO: 3

Which switch is specifically designed for networks that require basic connectivity and have little or no IT support?

- A. fixed-port switch
- B. light Layer 3 switch
- C. modular switch
- D. unmanaged switch

Answer: D

Explanation:

Unmanaged switch—A switch that enables Ethernet devices to communicate but does not have a management interface. You simply connect the switch to other devices, and the network is operational. Unmanaged switches are intended for networks that require basic connectivity and

have little or no IT support. They are cost-effective and offer intuitive and simple configuration.

QUESTION NO: 4

Which HP A Series switches provide Layer 2 functionality and a Web browser interface but no CLI?

- A. HP A5800 Series switches
- B. HP NJ2000G IntelliJack switches
- C. HP A3600-E1 Series switches
- D. HP A3100 Series switches

Answer: B

Explanation:

The HP IntelliJack Switch Series is designed to increase network connections and provide support for legacy analog and digital devices. Deployed at the access layer, these Layer 2 switches are connected to an RJ-45 jack and mounted on the wall. They can be powered by PoE or an optional 48V local power supply. The NJ1000G switch is an unmanaged switch; the NJ2000G switch is a Webmanaged switch. The NJ100G and NJ2000G switches provide the following:

QUESTION NO: 5

Several HP A Series switches are distinguished by a dual-personality (or combo) port. What is an accurate description of this port?

- A. It can accept either Ethernet Base-T cable or fiber optic cable
- B. It can accept either Ethernet Base-T cable or a small form-factor pluggable (SFP) transceiver
- C. It is a pair of ports. One accepts Ethernet Base-T cable and one accepts a small form-factor pluggable (SFP) transceiver. Both can be used simultaneously.
- D. It is a pair of ports. One accepts Ethernet Base-T cable and one accepts a small form-factor pluggable (SFP) transceiver. Only one can be used at a time.

Answer: B

Explanation:

Dual-personality port—this port can be used as either a 10/100/1000 port or a Small Form Factor Port (SFP).

QUESTION NO: 6

You are troubleshooting a connection on an HP A Series switch that has one LED per-port. You want to know if the port is operating in the wrong duplex mode. How do you use the LED to obtain relevant information?

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- A. Click the Mode button until the mode LED is blinking green and then check the port LED.
 - B. Click the Mode button until the mode LED is yellow and then check the port LED.
 - C. Check if the port LED is blinking, which indicates its duplex status (while its color indicates speed).
 - D. Check the color of the port LED, which indicates its duplex status (while its blinking indicates speed).

Answer: B

Explanation:

You can use the Mode button to check the duplex mode of each port.

Press the button until the Mode LED displays yellow.

In Duplex Mode, a Port LED displays green if the port is operating in full-duplex mode (meaning data can be transmitted in two directions simultaneously). The Port LED displays yellow if the port is operating in half-duplex mode (meaning data can be transmitted in one direction at a time).

QUESTION NO: 7

You are installing an HP A Series switch that requires a backup power supply as well as extra power for Power over Ethernet (PoE) devices. Which device should you connect to this switch?

- A. RPS 1200 A
- B. RPS 1000 A3
- C. RPS 800 A
- D. RPS500 A3

Answer: B

Explanation:

Customers can use one of three RPSs with A Series switches:

RPS 1000 A3

RPS 800 A

RPS 500 A3 In addition to providing redundancy, the RPS 1000 A3 provides additional PoE.

QUESTION NO: 8

The exhibit shows the Power and seven-segment LEDs of an HP A Series switch. What is the switch's status?

Exhibit: