

# N10-005<sup>Q&As</sup>

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**QUESTION 1**

A user wants to connect seven PCs together for a game night. Which of the following should the user install to help with this task?

- A. Media convertor
- B. Switch
- C. Firewall
- D. Bridge

Correct Answer: B

They connect multiple PCs, printers, servers and other hardware. Switches allow you to send information, such as email, and access shared resources, including printers, in a smooth, efficient, and transparent manner.

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**QUESTION 2**

MIMO technology in the 802.11n standard provides for which of the following benefits?

- A. Channel expansion
- B. Gigabit wireless bandwidth
- C. Multipath support
- D. Channel bonding

Correct Answer: C

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**QUESTION 3**

Which of the following technologies prevents network collisions to maximize safe delivery of network data?

- A. CSMA/CA
- B. DWDM
- C. RADIUS
- D. SONET

Correct Answer: A

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**QUESTION 4**

Which of the following tools would a technician use to terminate CAT6 wires to the inside of the wall jack?

- A. Toner probe
- B. Cable tester
- C. Punch down
- D. Crimper

Correct Answer: C

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**QUESTION 5**

Which of the following are considered unsecure access methods? (Select TWO).

- A. FTP
- B. IPSec
- C. RCP
- D. SCP
- E. SFTP

Correct Answer: AC

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**QUESTION 6**

All users on a specific network segment report losing access to the wired network. During troubleshooting, the network administrator observes link lights on the workstations. When physically reviewing each switch, the network administrator changes the switch view settings to Activity and sees that all port lights remain solid green.

Which of the following is MOST likely causing this issue?

- A. STP convergence
- B. Power failure
- C. Excessive bandwidth usage
- D. Broadcast storm

Correct Answer: D

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**QUESTION 7**

The BEST way to determine the next hop of a packet is to check the:

- A. link state.
- B. routing table.
- C. routing metrics.
- D. convergence.

Correct Answer: B

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**QUESTION 8**

After a network technician has added a new workstation and cabling to the network, users report the network is very slow. The activity lights on all switches are blinking rapidly, showing large amounts of traffic. Which of the following is the BEST explanation for the traffic?

- A. The new user is downloading large files.
- B. The router failed, flooding the network with beacons.
- C. The new user's IP address is a duplicate.
- D. A switching loop was created.

Correct Answer: D

Switching loop or Bridge loop occurs in computer networks when there is more than one Layer 2 (OSI model) path between two endpoints (e.g. multiple connections between two network switches or two ports on the same switch connected to each other). The loop creates broadcast radiation as broadcasts and multicasts are forwarded by switches out every port, the switch or switches will repeatedly rebroadcast the broadcast messages flooding the network.

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**QUESTION 9**

Which of the following security protocols would BEST protect a connection to a remote email server and ensure full integrity of all transmitted email communication?

- A. TLS 1.2
- B. SNMPv3
- C. WPA2
- D. SMTP

Correct Answer: A

**QUESTION 10**

Which of the following uses types and codes rather than ports?

- A. EIGRP
- B. ICMP
- C. UDP
- D. IPv6

Correct Answer: B

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**QUESTION 11**

A CAT5e network cable run needs to be installed over fluorescent lighting arrays in an office building. Which of the following cable types would be BEST suited for such an installation?

- A. UTP
- B. Plenum
- C. Coaxial
- D. STP

Correct Answer: D

Shielded twisted pair is a special kind of copper telephone wiring used in some business installations. An outer covering or shield is added to the ordinary twisted pair telephone wires; the shield functions as a ground.

Twisted pair is the ordinary copper wire that connects home and many business computers to the telephone company. To reduce crosstalk or electromagnetic induction between pairs of wires, two insulated copper wires are twisted around each other. Each signal on twisted pair requires both wires

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**QUESTION 12**

A technician has been dispatched to investigate an issue where several users in the same aisle have stated they have had no network connection for over an hour. When the technician gets there, the network seems to be up and running. Which of the following should the technician do NEXT?

- A. Ask the users for more information, such as which applications were not functioning.
- B. Power-cycle the switch that the users share to clear out cached DNS records.
- C. Escalate the issue to the network administrator to have their domain credentials reset.
- D. Close and document the service call, as there was no actual issue affecting the users.

Correct Answer: A

Because the system was up and running when the technician reached there, he can ask for applications that were not working or can ask for more information so that he can isolate the problem. Power cycling will not help because the system is already up and recycling can wipe out logs. Escalation will also not help because the system is now up and running. Closing the call will be unfair because the same instance can occur again.

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### QUESTION 13

A user reports that they are unable to access a new server but are able to access all other network resources. Based on the following firewall rules and network information, which of the following ACL entries is the cause?

User's IP: 192.168.5.14 Server IP: 192.168.5.17 Firewall rules: Permit 192.168.5.16/28 192.168.5.0/28 Permit 192.168.5.0/24 192.168.4.0/24 Permit 192.168.4.0/24 192.168.5.0/24 Deny 192.168.5.0/28 192.168.5.16/28 Deny 192.168.14.0/24 192.168.5.16/28 Deny 192.168.0.0/24 192.168.5.0/24

- A. Deny 192.168.0.0/24 192.168.5.0/24
- B. Deny 192.168.5.0/28 192.168.5.16/28
- C. Deny 192.168.14.0/24 192.168.5.16/28
- D. Implicit Deny rule

Correct Answer: B

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### QUESTION 14

A technician has traced a POTS line to a 110 block.

Which of the following devices would the technician MOST likely use to see if the line carries a dial tone?

- A. Toner Probe
- B. Punch Down Tool
- C. Protocol Analyzer
- D. Butt Set

Correct Answer: D

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### QUESTION 15

A technician has resolved a ticket to fix a user's printer and has verified that the user is able to print with no issues.

Which of the following action steps should the technician perform FIRST?

- A. Document findings and outcomes
- B. Establish a theory of probably cause
- C. Upgrade the printer drivers
- D. Close out the service ticket

Correct Answer: A

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