**Vendor:**CompTIA

**Exam Code:**N10-008

**Exam Name:**CompTIA Network+

**Version:**Demo

**QUESTION 1**

A rogue AP was found plugged in and providing Internet access to employees in the break room. Which of the following would be BEST to use to stop this from happening without physically removing the WAP?

A. Password complexity

B. Port security

C. Wireless client isolation

D. Secure SNMP

Correct Answer: B

Port security, would be the best option to use to stop the rogue AP in this scenario. Port security is a feature that can be used to limit the number of devices that can be connected to a switchport. By configuring port security on the switchport to which the rogue AP is connected, the network administrator can ensure that only authorized devices are able to connect to the network and receive an IP address. This would prevent unauthorized devices, such as the rogue AP, from providing Internet access to employees in the break room.

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**QUESTION 2**

A technician has started a major network project to upgrade to a higher throughput standard. The technician will need to install new patch panels and breakout boxes to support this inlrastructure. Which of the following layers of the OSI model is the technician addressing at this stage of the upgrade?

A. Physical

B. Transport

C. Network

D. Data link

Correct Answer: A

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**QUESTION 3**

Which of the following can be used to validate domain ownership by verifying the presence of pre-agreed content contained in a DNS record?

A.SOA

B. SRV

C. AAA

D. TXT

Correct Answer: D

"One final usage of the TXT resource record is how some cloud service providers, such as Azure, validate ownership of custom domains. You are provided with data to include in your TXT record, and once that is created, the domain is verified and able to be used. The thought is that if you control the DNS, then you own the domain name."

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**QUESTION 4**

Which of the following topologies is designed to fully support applications hosted in on- premises data centers, public or private clouds, and SaaS services?

A. SDWAN

B. MAN

C. PAN

D. MPLS

Correct Answer: A

SDWAN (Software Defined Wide Area Network) is a network architecture that enables the deployment of hybrid networks that can fully support applications hosted in on-premises data centers, public or private clouds, and SaaS services. SDWAN uses software-defined networking (SDN) concepts to simplify network management and reduce costs.

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**QUESTION 5**

A technician removes an old PC from the network and replaces it with a new PC that is unable to connect to the LAN. Which of the Mowing is MOST likely the cause of the issue?

A. Port security

B. Port tagging

C. Port aggregation

D. Port mirroring

Correct Answer: A

The most likely cause of the issue is port security. When a new device is connected to a network, port security can prevent the device from connecting if it is not authorized. The old PC might have been authorized to connect, but the new PC is not. To resolve the issue, the technician will need to configure port security to allow the new PC to connect.

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**QUESTION 6**

Which of the following describes the ability of a corporate IT department to expand its cloud-hosted VM environment with minimal effort?

A. Scalability

B. Load balancing

C. Multitenancy

D. Geo-redundancy

Correct Answer: A

Scalability is the ability of a corporate IT department to expand its cloud- hosted virtual machine (VM) environment with minimal effort. This allows IT departments to quickly and easily scale up their cloud environment to meet increased demand. Scalability also allows for the efficient use of resources, as IT departments can quickly and easily scale up or down as needed.

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## QUESTION 7

An ARP request is broadcasted and sends the following request.

\\'\\'Who is 192.168.1.200? Tell 192.168.1.55\\'\\'

At which of the following layers of the OSI model does this request operate?

A. Application

B. Data link

C. Transport

D. Network

E. Session

Correct Answer: B

An ARP request operates at the data link layer of the OSI model. ARP (Address Resolution Protocol) is a protocol that maps IP addresses to MAC addresses on a local area network. It allows devices to communicate with each other without knowing their MAC addresses beforehand. ARP operates at the data link layer (layer 2) of the OSI model, which is responsible for framing and addressing data packets on a physical medium. References: https://www.cisco.com/c/en/us/ support/docs/ip/routing-information-protocol-rip/13788-3.html

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## QUESTION 8

Lisa, a technician, is tasked to monitor various analog POTS lines for voice activity. Which of the following hardware tools would be used?

A. Butt set

B. Toner probe

C. Wire mapper

D. Cable certifier

Correct Answer: A

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**QUESTION 9**

Which of the following ports is used for secure email?

A. 25

B. 110

C. 143

D. 587

Correct Answer: D

Port 587 is typically used for secure email submission, specifically for sending emails securely using the SMTP (Simple Mail Transfer Protocol) with TLS (Transport Layer Security) or SSL (Secure Sockets Layer) encryption. It\\'s commonly used as an alternative to port 25 for secure mail submission by mail clients or applications.

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**QUESTION 10**

A technician is helping to secure a wireless network at a home office and is looking to prevent unauthorized devices from connecting to the network. Which of the following would be BEST for the technician to do? (Choose two.)

A. Configure MAC filtering.

B. Configure guest network isolation.

C. Enable plug and play.

D. Disable the SSID broadcast.

E. Configure a captive portal.

F. Disable unneeded ports.

Correct Answer: AD

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**QUESTION 11**

Which of the following transceiver types can support up to 40Gbps?

A. SFP+

B. QSFP+

C. QSFP

D. SFP

Correct Answer: B

QSFP+ (Quad Small Form-factor Pluggable Plus) is a type of transceiver that supports data transfer rates up to 40 Gbps. It is an upgraded version of the original QSFP transceiver, which supports up to 4 Gbps. SFP+ (Small Form-

factor Pluggable Plus) is another type of transceiver that supports data transfer rates up to 10 Gbps. It is an upgraded version of the original SFP transceiver, which supports up to 1 Gbps.

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**QUESTION 12**

A network administrator wants to install new VoIP switches in small network closet but is concerned about the current heat level of the room. Which of the following should the administrator take into consideration before installing the new equipment?

A. The power load of the switches

B. The humidity in the room

C. The fire suppression system

D. The direction of airflow within the switches

Correct Answer: D