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QUESTION 1

Dynamic DNS provides which of the following services?

A. Automatic registration of host records

B. Translates public host names to private host names

C. Provides round robin load balancing for web servers

D. Provides aliases for additional search suffixes

Correct Answer: A

QUESTION 2

Which of the following does Kerberos use to authenticate?

A. Tickets

B. Servers

C. Users

D. Clients

Correct Answer: A

Kerberos keeps a database of its clients and their private keys. The private key is a large number known only to Kerberos and the client it belongs to. In the case that the client is a user, it is an encrypted password. Network services requiring

authentication register with Kerberos, as do clients wishing to use those services.

The private keys are negotiated at registration.

QUESTION 3

Which of the following protocols would be MOST likely found to be running on a device in a SOHO environment?

A. BGP

B. SONET

C. IPSec

D. OSPF

Correct Answer: C

QUESTION 4

Which of the following wireless standards provide speeds up to 150Mbps?

A. 802.11a

B. 802.11b

C. 802.11g

D. 802.11n

Correct Answer: D

802.11n builds upon previous 802.11 standards by adding multiple-input multiple- output (MIMO). The additional transmitter and receiver antennas allow for increased data throughput through spatial multiplexing and increased range by exploiting the spatial diversity through coding schemes like Alamouti coding. The speed is 150 Mbit/s (even 250 Mbit/s in PHY level)

QUESTION 5

Which of the following can determine the last time an address lease was renewed on a network device?

A. System log

B. Packet sniffer

C. Time domain reflectometer

D. Stateful packet filter

Correct Answer: A

QUESTION 6

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.

QUESTION 7

A technician working for a company with a wireless network named WirelessA notices a second wireless network named WirelessB. WirelessB is MOST likely a:

A. man-in-the-middle attack

B. rogue access point

C. evil twin

D. packet sniffer

Correct Answer: B

A rogue access point is a wireless access point that has either been installed on a secure company network without explicit authorization from a local network administrator, or has been created to allow a hacker to conduct a man-in-themiddle attack.

QUESTION 8

Which of the following operate at the Data Link layer of the OSI model? (Select TWO).

A. MAC address

B. Router

C. Hub

D. Switch

E. IP address

Correct Answer: AD

QUESTION 9

A user is unable to connect to a remote computer using RDP. The technician checks the firewall rules and notes that there is no rule that blocks RDP. Which of the following features of the firewall is responsible for blocking RDP?

A. Stateful inspection

B. NAT/PAT

C. Port security

D. Implicit deny

Correct Answer: D

QUESTION 10

The company requires all users to authenticate to the network with a smart card, a pin number, and a fingerprint scan. Which of the following BEST describes the user authentication being used?

A. Multi-factor authentication

B. Two-factor authentication

C. Biometrics

D. Single sign-on

Correct Answer: A

QUESTION 11

Users report that they are unable to access the production server with IP address 192.168.30.17. These users need to be provided access without changing any subnet to VLAN information. The VLANs configured on the network are listed below:

Department VLAN # Subnet used Marketing 20 192.168.20.0/28 Customer Service 25 192.168.20.64/28 Finance 30 192.168.30.0/28 WHSE 35 192.168.30.16/28 Sales 40 192.168.3.16/28

The users experiencing this issue need to be added to which of the following VLANs?

A. 25

B. 30

C. 35

D. 40

Correct Answer: C

QUESTION 12

A network technician recently replaced a managed switch in an enterprise network with a new managed switch. Users

on the switch can communicate with each other but now cannot access other network segments. Which of the following is the MOST likely reason that the users are unable to access any network segments?

A. The newly installed switch is defective and must be returned.

B. The newly installed switch is using a different MAC address than the previous switch.

C. The technician forgot to change the VTP mode on the new switch to server.

D. The technician did not use the correct cable when trunking the new switch.

Correct Answer: D

QUESTION 13

A technician has been tasked with planning and implementing a new wired-only network for a small office. A hardware list has been compiled, but the technician is unsure about the final necessary item. Which of the following will BEST complete the small wired network setup? (1) 1000 foot CAT6 spool

(1)

 crimper

(1)

 16 port gigabit switch

(20)

 RJ-45 connectors

(12)

 RJ-45 wall jacks

(1)

 _____

A.

Compression tool

B.

Punch down tool

C.

Network map

D.

Multimeter

Correct Answer: B

QUESTION 14

Which of the following network protocols is used for a secure command line interface for management of network devices?

A. SSH

B. TELNET

C. IGMP

D. HTTP

Correct Answer: A

Secure Shell is a cryptographic network protocol for secure data communication, remote command-line login, remote command execution, and other secure network services between two networked computers.

QUESTION 15

Which of the following is used for SONET connections and requires a wavelength of 1310nm?

A. 10GBASECX4

B. 10GBASELX4

C. 10GBASELW

D. 10GBASESR

Correct Answer: C

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