Comptia Network+ Recertification Exam for Continuing Education

1. Which of the following network infrastructure implementations would be used to connect two remote sales back to the main campus for all data and voice traffic?

A. Crossover cable

B. Multimode fiber

C. Satellite

D. MPLS

Answer(s): B

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2. A firewall ACL is configured as follows:

A. 11, 10, 12, 13

B. 12, 10, 11, 13

C. 13, 10, 12, 11

D. 13, 12, 11, 10

Answer(s): A

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3. Various hypervisor guests are configured to use different VLANs in the same virtualization environment through which of the following?

A. Virtual router

B. Virtual firewall

C. NIC teaming

D. Virtual switch

Answer(s): D

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4. A user reports slow performance. A technician troubleshooting the issue users a performance monitoring tool and receives the following results:

A. Hard drive

B. NIC

C. Memory

D. Processor

Answer(s): C

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5. A system administrator has been tasked to ensure that the software team is not affecting the production software when developing enhancements. The software that is being updated is on a very short SDLC and enhancements must be developed rapidly. These enhancements must be approved before being deployed. Which of the following will mitigate production outages before the enhancements are deployed?

A. Implement an environment to test the enhancements.

B. Implement ACLs that only allow management access to the enhancements.

C. Deploy an IPS on the production network.

D. Move the software team's workstations to the DMZ.

Answer(s): A

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6. A technician is in a large room that contains a large amount of industrial equipment. The technician would like to record the usable bandwidth between devices in a wireless network and the access point. Which of the following should the technician document?

A. Overhead

B. Goodput

C. EMI

D. Latency

E. Jitter

Answer(s): B

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7. A technician needs to set aside addresses in a DHCP pool so that certain servers always receive the same address. Which of the following should be configured?

A. Leases

B. Helper addresses

C. Scopes

D. Reservations

Answer(s): D

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8. A company is installing several APs for a new wireless system that requires users to authenticate to the domain. The network technician would like to authenticate to a central point. Which of the following would work BEST to achieve these results?

A. A RADIUS server and a network controller

B. A RADIUSserver and an access point

C. A TACACS and a proxy server

D. A TACACS+ device and a RADIUS server

Answer(s): B

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9. A network technician is replacing security devices that protect the DMZ for a client. The client has an application that allows external users to access the application remotely. After replacing the devices, the external users are unable to connect remotely to the application.

A. DHCP

B. DNS

C. Content filter

D. Firewall

Answer(s): D

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10. Which of the following helps prevent routing loops?

A. Routing table

B. Default gateway

C. Route summarization

D. Split horizon

Answer(s): D

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11. A new OC3 experiencing intermittent connectivity and loss of signal alarms. A network administrator finds all the cables are properly connected. There is excess cable between the patch panel and the network node. The cables were forced into their storage compartments about the rack. Which of the following is MOST likely cause of the connectivity issue and alarms?

A. The new OC3 cable is experiencing EMI.

B. The bend radius of the cable has been exceeded.

C. The cable was improperly crimped.

D. The OC2 was improperly provisioned.

Answer(s): B

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12. A technician needs to secure web traffic for a new e-commerce website. Which of the following will secure traffic between a web browser and a website?

A. SSL

B. DNSSEC

C. WPA2

D. MTU

Answer(s): A

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13. The management team wants to set up a wireless network in their office but all of their phones operate at the 2.4 GHz frequency. They need a wireless network that would be able to operate at a higher frequency than their phones. Which of following standards should be used?

A. 802.11a

B. 802.11b

C. 802.11g

D. 802.1x

Answer(s): A

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14. A company has decided to upgrade its legacy phone system to VoIP. The new phones will download the configurations from a TFTP server each time they boot up. Which of the following firewall ports must be opened to ensure the phones can communicate with the server?

A. 20

B. 53

C. 69

D. 161

Answer(s): C

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15. A network technician has detected a personal computer that has been physically connected to the corporate network. Which of the following commands would the network technician use to locate this unauthorized computer and determine the interface it is connected to?

A. nbtstat -a

B. show mac address-table

C. show interface status

D. show ip access-list

E. nslookup hostname

Answer(s): B

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16. A technician wants to securely manage several remote network devices. Which of the following should be implemented to securely manage the devices?

A. WPA2

B. IPv6

C. SNMPv3

D. RIPv2

Answer(s): C

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17. An administrator hosts all of the company's virtual servers internally. In the event of total server failure, the server images can be restored on a cloud provider and accessed through the VPN. Which of the following cloud services is the administrator using?

A. Community PaaS

B. Private Iaas

C. Public Iaas

D. Hybrid Saas

Answer(s): C

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18. A network technician is assisting the company with developing a new business continuity plan. Which of the following would be an appropriate suggestion to add to the plan?

A. Build redundant links between core devices

B. Physically secure all network equipment

C. Maintain up-to-date configuration backups

D. Perform reoccurring vulnerability scans

Answer(s): A

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19. A network technician replaced a faulty Ethernet cable. The technician replaced one side of the patch in the incorrect part of the patch panel. Within a few minutes, the technician was informed that users were experiencing slow or no Internet connectivity all over the building.

A. Re-terminate all of the other Ethernet cables on the switch to isolate the issue.

B. Review labeling and logical network diagram documentation.

C. Replace the cable during the next maintenance window.

D. Attempt to isolate the storm to the domain by rebooting the switch.

Answer(s): B

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20. When a client calls and describes a problem with a computer not being able to reach the

A. Transport layer

B. Physical layer

C. Network layer

D. Session layer

Answer(s): B