Network+ Certification Exam

1. An organization has a security requirement that all network connections can be traced back to a user. A network administrator needs to identify a solution to implement on the wireless network. Which of the following is the best solution?

A. Implementingenterprise authentication

B. Requiring theuse of PSKs

C. Configuring acaptive portal for users

D. Enforcing wired equivalent protection

Answer(s): A

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2. Which of the following is the correct order of components in a bottom-up approach for the three-tier hierarchical model?

A. Access, distribution, and core

B. Core, root, and distribution

C. Core, spine, and leaf

D. Access, core, and roof

Answer(s): A

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3. A systems administrator is configuring a new device to be added to the network. The administrator is planning to perform device hardening prior to connecting the device. Which of the following should the administrator do first?

A. Update the network ACLs.

B. Place the device in a screened subnet.

C. Enable content filtering.

D. Change the default admin passwords.

Answer(s): D

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4. An organization requires the ability to send encrypted email messages to a partner from an email server that is hosted on premises. The organization prefers to use the standard default ports when creating firewall rules.

A. 110

B. 143

C. 587

D. 636

Answer(s): C

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5. Following a fire in a data center, the cabling was replaced. Soon after, an administrator notices network issues. Which of the following are the most likely causes of the network issues? (Select two).

A. The switches are not the correct voltage.

B. The HVAC system was not verified as fully functional after the fire.

C. The VLAN database was not deleted before the equipment was brought back online.

D. The RJ45 cables were replaced with unshielded cables.

E. The wrong transceiver type was used for the new termination.

F. The new RJ45 cables are a higher category than the old ones.

Answer(s): D,E

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6. A company is hosting a secure that requires all connections to the server to be encrypted. A junior administrator needs to harded the web server. The following ports on the web server. The following ports on the web server are open:

A. 22

B. 80

C. 443

D. 587

Answer(s): B

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7. A customer recently moved into a new office and notices that some wall plates are not working and are not properly labeled Which of the following tools would be best to identify the proper wiring in the IDF?

A. Toner and probe

B. Cable tester

C. Visual fault locator

D. Network tap

Answer(s): A

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8. Which of the following cloud service models most likely requires the greatest up-front expense by the customer when migrating a data center to the cloud?

A. Platform as a service

B. Infrastructure as a service

C. Software as a service

D. Network as a service

Answer(s): B

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9. Due to concerns around single points of failure, a company decided to add an additional WAN to the network.

A. A changed CDP neighbor

B. Asymmetrical routing

C. A switching loop

D. An incorrect IP address

Answer(s): B

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10. Which of the following network cables involves bounding light off of protective cladding?

A. Twinaxial

B. Coaxial

C. Single-mode

D. Multimode

Answer(s): D

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11. To reduce costs and increase mobility, a Chief Technology Officer (CTO) wants to adopt cloud services for the organization and its affiliates. To reduce the impact for users, the CTO wants key services to run from the on-site data center and enterprise services to run in the cloud. Which of the following deployment models is the best choice for the organization?

A. Public

B. Hybrid

C. SaaS

D. Private

Answer(s): B

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12. A network administrator is connecting two Layer 2 switches in a network. These switches must transfer data in multiple networks. Which of the following would fulfill this requirement?

A. Jumbo frames

B. 802.1Q tagging

C. Native VLAN

D. Link aggregation

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13. A network administrator is notified that a user cannot access resources on the network. The network administrator checks the physical connections to the workstation labeled User 3 and sees the Ethernet is properly connected. However, the network interface's indicator lights are not blinking on either the computer or the switch. Which of the following Is the most likely cause?

A. Theswitch failed.

B. Thedefault gateway is wrong.

C. Theport Is shut down.

D. TheVLAN assignment is incorrect.

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14. A network administrator needs to set up a multicast network for audio and video broadcasting. Which of the following networks would be the most appropriate for this application?

A. 240.0.0.0/24

B. 192.168.0.0/24

C. 172.16.0.0/24

D. 224.0.0.0/24

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15. Users in a remote office report that corporate web server pages are taking a long time to load, whereas users in the main corporate office do not have any issues. Which of the following is the best metric for a network administrator to check?

A. Server interface CRC errors

B. Server NetFlow data

C. Jitter across the network

D. Hop-by-hop network latency

Answer(s): D

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16. During a client audit, a network analyst is tasked with recommending changes to upgrade the client network and readiness. A field technician has submitted the following report:

A. Humidity

B. Flooding

C. Electrical

D. Temperature

Answer(s): D

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17. Which of the following is the physical topology in which all devices are connected to each other?

A. Star

B. Ring

C. Bus

D. Mesh

Answer(s): D

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18. A technician needs to install a device that allows for authentication to the network from wireless devices Which of the following should be used?

A. Proxy server

B. UTM appliance

C. RADIUS server

D. VPN concentrator

Answer(s): C

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19. A network technician is connecting medical monitoring devices on a personal area network for patients' phones. Which of the following technologies should be used?

A. IR

B. ROD

C. NFC

D. Bluetooth

Answer(s): D

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20. A development team has been testing a web server on a virtual server to create a web application. Once satisfied, the development team clones the entire virtual server into production. The development team needs to use HTTP, HTTPS, and SSH to connect to the new server. Which of the following should the network administrator do to help secure this new production VM? (Choose two.)

A. Issue a new self-signed certificate.

B. Upgrade the firmware on the firewall.

C. Generate new SSH host keys.

D. Remove unnecessary testing accounts.

E. Disable the HTTP port in the host firewall.

Answer(s): A,C