

Network + Certification Exam

1. A network technician suspects that there is an issue with the routing table on a Windows-based server. Which of the following commands will enable the technician to validate this hypothesis?

A. tracert

B. route

C. route print

D. ipconfig

Answer(s): C

2. Which of the following is MOST commonly used with a fiber-optic network backbone?

A. 100BaseTX

B. 1000BaseCX

C. 100BaseT

D. 100BaseFX

Answer(s): D

3. A technician is sorting patch cables into four bins labeled coaxial, crossover, straight-through, and fiber. The technician has a cable with RJ-45 ends. The wires at one end of the cable start with an orange-white wire, while the wires at the other end of the cable start with a green wire. Into which of the following bins should this cable be placed?

A. Fiber

B. Straight-through

C. Crossover

D. Coaxial

Answer(s): C

4. Which of the following WAN technologies uses an analog phone line to transmit data?

A. LTE

B. DSL

C. Satellite

D. Cable

Answer(s): B

5. Which of the following is a fiber connector that is slightly smaller than a standard copper network cable connector?

A. GBIC

B. BNC

C. SC

D. MT-RJ

Answer(s): D

6. A user reports that they keep getting disconnected on the wireless network. After further investigation, the technician confirms that this occurs only in that user's office. Which of the following would MOST likely cause them to lose their connection?

A. SSID mismatch

B. Encryption type

C. Disabled wireless adapter

D. Interference

Answer(s): D

7. A Chief Executive Officer (CEO) decided that only a limited number of authorized company workstations will be able to connect to the Internet. Which of the following would BEST accomplish this goal?

A. Use content filtering

B. Install and configure IDS

C. Enable MAC address filtering

D. Enable RAS on the network firewall

Answer(s): C

8. Which of the following devices allows for multiple web servers to host the same web page and for traffic to be distributed between them according to some metric?

A. Proxy server

B. Content filter

C. Load balancer

D. VPN concentrator

Answer(s): C

9. A technician needs to make a web server with a private IP address reachable from the Internet. Which of the following should the technician implement on the company firewall?

A. VPN

B. DOCSIS

C. CIDR

D. NAT

Answer(s): D

10. A SOHO had their wireless network breached on several occasions. The user turned off the SSID and enabled WEP encryption, but breaches are still occurring. Which of the following will improve security and MOST likely prevent future breaches?

A. Enable WPA2 encryption

B. Replace the WAP and enable WEP

C. Turn down the signal strength

D. Change both the SSID and WEP key

Answer(s): A

11. A technician is attempting to set up a new laptop for a user. The user's old laptop connects to the corporate wireless network "CompanyWiFi" automatically. However, when the technician looks for the "CompanyWiFi" network on the new laptop, he does not find it in the list of available networks. Both laptops have 802.11g wireless network adapters and are sitting next to each other on the user's desk. Which of the following would MOST likely be the reason that the new laptop cannot see the "CompanyWiFi" network?

A. SSID broadcasting is disabled on the WAP

B. RFID interference from other electronic devices

C. Incorrect WEP key was input

D. Loss of signal strength

Answer(s): A

12. A user moves from one office to another. When the user logs onto their computer, it has local access to shared drives but no Internet access. A technician determines that the

A. Incorrect VLAN

B. Hijacked HOSTS file

C. MTU mismatch

D. Missing routes

Answer(s): A

13. An administrator notices that a computer on the network is unable to reach any of the servers by hostname. The computer has connectivity to the network and is able to ping all the devices by IP address. Which of the following can cause the error?

A. The workstation has been assigned to the wrong VLAN.

B. The workstation has a duplicate IP address.

C. The workstation has the wrong gateway configured.

D. The workstation has the wrong DNS configured.

Answer(s): D

14. A small office is looking to deploy wireless to cover one half of the work area only. The technician is restricted to suspending the WAP in the middle of the office due to network jack limitations. Which of the following antenna types would BEST meet these requirements?

A. Omni-directional

B. Parabolic

C. Directional

D. Dipole

Answer(s): C

15. The cost of installing fiber cable in a factory environment is too high. Which of the following cables should be used to minimize the effect of EMI?

A. CAT6

B. Crossover

C. Coaxial

D. UTP

Answer(s): C

16. Which of the following security devices can receive and process HTTP requests from hosts

A. Proxy server

B. DNS server

C. Load balancer

D. VPN concentrator

Answer(s): A

17. Which of the following devices is utilized to ensure traffic does not become congested while traveling over redundant links?

A. Access control list

B. Load balancer

C. Content filter

D. Proxy server

Answer(s): B

18. Which of the following is the reason why a company's network may contain a DHCP server?

A. To assign IP addresses to devices on the network

B. To allow secure remote access

C. To convert IP addresses to fully qualified domain names

D. To provide POP3 and IMAP email functionality

Answer(s): A

19. Which of the following TCP/IP model layers does the OSI model Data Link layer map to?

A. Internet

B. Transport

C. Network Interface

D. Application

Answer(s): C

20. Which of the following is the unit used to transfer information at Layer 2 of the OSI model?

A. Session

B. Socket

C. Packet

D. Frame

Answer(s): D
