

## CompTIA JK0-016 Exam

**JK0-016: CompTIA Network+(2009 Edition) Exam**

**Practice Exam:** JK0-016 Exams

**Exam Number/Code:** JK0-016

**Exam Name:** CompTIA Network+(2009 Edition) Exam

**Questions and Answers:** 120 Q&As

**( Network+ )**



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1. An active/passive server cluster in which only one server is active and handling requests, is an example of which of the following network performance optimization?

- A. QoS
- B. Load balancing
- C. Traffic shaping
- D. High availability

Answer: D

2. A network device that is used to connect multiple devices without segmenting a network is a:

- A. hub.
- B. router.
- C. switch.
- D. bridge.

Answer: A

3. Which of the following is correct when converting 192 to binary?

- A. 11000000
- B. 00110000
- C. 00001100
- D. 00000011

Answer: A

4. Which of the following networks has the LEAST likelihood of collisions?

- A. Mesh
- B. Ring
- C. Star
- D. Bus

Answer: B

5. A DHCP enabled computer on the network has been unplugged from the network for a week. In the mean time, several other computers were added to the network. When plugging the computer back into the network the computer is unable to reach network resources. Which of the following is the MOST likely cause?

- A. The DHCP scope needs to be redefined.
- B. The DHCP pool limit has been reached.
- C. The IP address lease has expired on the DHCP server.
- D. The DHCP server needs to be restarted.

Answer: B

6. Which of the following ipconfig switches will display when the lease was obtained?

- A. /displaydns
- B. /renew
- C. /all
- D. /release

Answer: C

7. The optimal transmission speed for a CAT5 network cable in a main distribution frame (MDF) is:

- A. 1Mbps.
- B. 10Mbps.
- C. 100Mbps.
- D. 1000Mbps.

Answer: C

8. A 66 block is typically connected to the telecommunication company through which of the following types of cable?

- A. CAT6
- B. 25 pair
- C. Fiber optic
- D. 100 pair

Answer: B

9. While reviewing a firewall policy, a network administrator notices a large block of addresses are denied without comment. Given that the blocked address range is from 224.0.0.0 to 239.255.255.255, which of the following group of

addresses does this specify?

- A. Asia-pacific addresses
- B. RFC1918 private addresses
- C. Multicast addresses
- D. Unused private addresses

Answer: C

10. All the workstations at a company have a static IP address. A newly deployed workstation is unable to connect to the company intranet server using an Internet browser. The technician can ping the intranet servers IP address. The MOST likely cause of this is an incorrect:

- A. VLAN.
- B. IP address on the new workstation.
- C. DNS server setting on the client.
- D. gateway setting on the client.

Answer: C

11. Which of the following protocols is used to access files on a remote server?

- A. FTP
- B. NTP
- C. SIP
- D. ARP

Answer: A

12. A user reports that when the phone rings in their house the wireless on their laptops becomes disconnected. Which of the following BEST describes the issue?

- A. The cordless phones are plugged into same outlet as the router
- B. The cordless phones are 5.8Ghz which interferes with wireless
- C. The cordless phones are 2.4Ghz which interferes with wireless
- D. The cordless phones are plugged into the RJ-11 jack

Answer: C

13. Ensuring that data is transmitted securely over an IP network is the main purpose of:

- A. Telnet.
- B. FTP.
- C. SIP.
- D. TLS.

Answer: D

14. Which of the following network protocols allows for automated alerts and reports on network devices?

- A. SNMP
- B. IGMP
- C. SMTP
- D. TLS

Answer: A

15. 100Base-TF uses which of the following types of cabled medium?

- A. Ethernet implementation over fiber
- B. Ethernet implementation over coaxial
- C. Ethernet implementation over ThickNet
- D. Ethernet implementation over ThinNet

Answer: A

16. A 100 pair cable is typically used to connect:

- A. telephony distribution.
- B. businesses with more than 75 computers.
- C. security cameras.
- D. computer labs with more than 20 computers.

Answer: A

17. A technician wants to remotely log into an office computer using remote desktop. The technician needs to do this in a secure manner. Which of the following would accomplish this?

- A. VPN
- B. Tagged packets
- C. VLAN
- D. Telnet

Answer: A

18. An administrator is using a packet analyzer across a single switch but is only receiving partial packet information. Which of the following would need to be implemented on the switch for the administrator?

- A. VLAN
- B. Port authentication
- C. Spanning tree
- D. Port mirroring

Answer: D

19. Which of the following features of a switch will allow two switches to pass network information?

- A. Trunking
- B. Disabling the routing protocols
- C. Port speeds
- D. PoE

Answer: A

20. Which of the following software types would BEST be used at identifying and reacting to an attack by shutting down a port or dropping certain types of packets?

- A. IDS
- B. Packet sniffer
- C. IPS
- D. Port scanner

Answer: C

21. Everyday around lunch time there is network latency on the Windows proxy server 10.1.1.7. Which of the following network utilities can a technician run in order to determine the severity of the latency?

- A. arp -t 10.1.1.7
- B. tracert -t 10.1.1.7
- C. ping -t 10.1.1.7
- D. nbtstat -t 10.1.1.7

Answer: C

22. A technician is asked to re-terminate a wall jack that has become loose. Upon looking at the wiring, the technician notices that it was originally wired as 568A. The company implemented a policy stating that all cable terminations should adhere to the 568B standard. With this in mind the technician should:

- A. run a new cable and terminate both ends to the 568B standard.
- B. re-terminate the loose end of the cable to the 568B standard.
- C. re-terminate both ends of the cable to the 568B standard.
- D. re-terminate the non-loose end of the cable to the 568B standard.

Answer: C

23. Convert the following binary string to its dotted decimal address: 11000000.10101000.01100011.00011010

- A. 192.168.99.26
- B. 192.168.101.26
- C. 192.168.101.34
- D. 192.168.99.34

Answer: A

24. The 66 block termination point is:

- A. IEEE 1394 compliant.
- B. CAT6 compliant.
- C. coaxial compliant.
- D. CAT3 compliant.

Answer: D

25. Which of the following network protocols is needed to ensure that users can type in a FQDN instead of the IP address?

- A. DNS
- B. FTP
- C. WINS
- D. IMAP4

Answer: A

26. Which of the following BEST explains the purpose of a DMZ?

- A. To create a security zone that allows public traffic but is isolated from the private network.
- B. To separate a security zone for a VPN.
- C. To create a security zone that allows private traffic but is isolated from the public network.
- D. To separate a security zone for an IPS.

Answer: A

27. A network with multiple devices needs to have a smaller broadcast domain while working with a small budget. Which of the following is the BEST solution?

- A. Assign static IPs.
- B. Implement more hubs.
- C. Implement more switches.
- D. Create VLANs.

Answer: D

28. After a technician came out and installed a new wireless router, one of the wired workstations began having problems connecting to the file server. This is only an intermittent problem. Which of the following actions will the technician MOST likely perform to resolve this problem?

- A. Change the router's SSID.
- B. Move the router's location.
- C. Check user permissions.
- D. Check the cable ends.

Answer: D

29. An IDS is used for which of the following purpose?

- A. Monitors inbound and outbound network connections in order to identify suspicious activity.
- B. Monitors inbound and outbound network connections in order to prevent suspicious activity.
- C. Controls inbound and outbound connections to prevent unauthorized access to the Internet.
- D. Controls inbound and outbound connections in a network device by command lines.

Answer: A

30. Which of the following network services is responsible for mapping names to IP addresses?

- A. DHCP
- B. DNS
- C. IMAP4
- D. Telnet

Answer: B

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