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CompTIA JK0-023

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Topic Break Down

Topic	No. of Questions
Topic 1, Network Architecture	182
Topic 2, Network Operations	149
Topic 3, Troubleshooting	140
Topic 4, Network Management	166
Topic 5, Network Security	139
Topic 6, Industry standards, practices, and network theory	328
Total	1104

QUESTION NO: 1

Kim, an administrator, wants to list all the network connections to and from the server. Which of the following commands would MOST likely be used?

- A. traceroute
- B. ping
- C. ipconfig
- D. netstat

ANSWER: D**QUESTION NO: 2**

Which of the following would the telecommunications carrier use to segregate customer traffic over long fiber links?

- A. VLAN
- B. MPLS
- C. VPN
- D. PSTN

ANSWER: B**QUESTION NO: 3**

Jeff, a customer, wants to have wireless network access only in the conference room. He has placed a WAP in the room, but notices that offices across the hall also receive a wireless signal. Which of the following could be done together to solve this problem? (Select TWO).

- A. Turn down the signal gain.
- B. Increase the encryption method.
- C. Change the wireless channel.
- D. Replace the WAP's antennas with directional antennas.
- E. Disable the SSID.

ANSWER: A D

QUESTION NO: 4

Which of the following can be configured to restrict specific ports and IP addresses from accessing the internal network? (Select TWO).

- A. Layer 2 switch
- B. MAC address filtering
- C. ACLs
- D. IIS server
- E. Port scanner
- F. Firewall

ANSWER: C F**QUESTION NO: 5**

Jeff, a customer, has a wireless network and has reported that the network traffic from the wireless access points seems high compared to the limited number of wireless devices used. Jeff believes that other non-employees are using the wireless network to access the Internet. Which of the following could be used to limit the access to the wireless network? (Select TWO).

- A. WPA encryption
- B. Changing wireless channels
- C. MAC filtering
- D. Changing wireless speed standards
- E. SSID disable

ANSWER: A C**QUESTION NO: 6**

Which of the following are considered unsecure access methods? (Select TWO).

- A. FTP
- B. IPSec
- C. RCP
- D. SCP
- E. SFTP

ANSWER: A C

QUESTION NO: 7

Which of the following technologies could be implemented to improve call clarity when using VoIP technology?

- A. Static IP addressing
- B. Caching engines
- C. QoS
- D. Port forwarding

ANSWER: C

QUESTION NO: 8

A company is expanding and has found that logging into each device to collect error information is consuming too much time. They have asked Lisa, a network administrator, to set up a server that will capture errors from each device automatically. Which of the following technologies would BEST fit this requirement?

- A. Syslog
- B. RADIUS
- C. IPSec
- D. Network sniffer

ANSWER: A

QUESTION NO: 9

Lisa, a network technician, would like to keep the IP address of the Human Resource department's server in the same group of 100 DHCP IP addresses that are assigned to the Human Resource department's employee workstations. Which of the following would BEST allow this and have the ability for the server to keep the same IP address?

- A. Implement a set of static IPs for the entire human resource department.
- B. Use a DHCP reservation for the server IP address.
- C. Use a small DHCP scope for the human resource department.
- D. Connect the server to a router in the network closet on the same floor.

ANSWER: B

QUESTION NO: 10

Kim, a technician, needs to test if domain name resolution is functioning properly. Which of the following software tools would she use to accomplish this? (Select TWO).

- A. arp
- B. dig
- C. route
- D. nslookup
- E. netstat

ANSWER: B D**QUESTION NO: 11**

The day network administrator is having problems on the network and realizes that the night administrator implemented a new device that is causing broadcast traffic. Which of the following should be implemented to avoid miscommunication between the administrators?

- A. Asset management
- B. System baselines
- C. System logging
- D. Change management

ANSWER: D**QUESTION NO: 12**

Which of the following are valid hosts for the Private IP Address range 172.16.0.x /23? (Select TWO).

- A. 172.16.0.255
- B. 172.16.0.0
- C. 172.16.1.1
- D. 172.16.8.0
- E. 172.16.256.255

ANSWER: A C

QUESTION NO: 13

Lisa, a network consultant, is asked to set up a wireless network in a home. The home user wants the wireless network to be available in every corner of the house. Which of the following additional information will Lisa need to determine the equipment for the installation? (Select TWO).

- A. The length of the house
- B. How many rooms are in the house
- C. How many users will be using the wireless network
- D. The building material of the house
- E. The cost of the house

ANSWER: A D**QUESTION NO: 14**

Which of the following is used to embed the MAC address of an Ethernet interface in a corresponding IPv6 address?

- A. Subnet
- B. IANA prefix
- C. EUI-64
- D. Site-local

ANSWER: C**QUESTION NO: 15**

Which of the following are standard fiber cable connector types? (Select TWO).

- A. RJ-11
- B. F-connector
- C. MTRJ
- D. DB-9
- E. ST

ANSWER: C E**QUESTION NO: 16**

A technician has been given the task to install a wireless network in a user's home. Which of the following should the technician consider when implementing the network? (Select TWO).

- A. That there is strong encryption enabled and configured on the access point.
- B. The user's home network has a correctly completed WHOIS entry.
- C. The access point is broadcasting the SSID based upon manufacturer's standards.
- D. There are no conflicts of channels in use by neighboring wireless networks.
- E. There are redundant internal DNS names set in the access point's settings.
- F. That the access point's MAC address is properly set in its configuration settings.

ANSWER: A D

QUESTION NO: 17

At which of the following layers do frames exist? (Select TWO).

- A. OSI model Data link layer
- B. TCP/IP model Network Interface layer
- C. OSI model Physical layer
- D. OSI model Network layer
- E. TCP/IP model Internet layer

ANSWER: A B

QUESTION NO: 18

A user is trying to connect to the wireless network in the office but is unable to establish a consistent connection. The computer alternates connecting between several similarly configured access points. Which of the following would be the BEST way to address this issues?

- A. Adjust the signal strength of the access points with minimal coverage overlap.
- B. Increase the pool in each of the access points to avoid running out of IPs.
- C. Configure each access point to use a different method of encryption than the others.
- D. Reconfigure each of the access points so that they broadcast different SSIDs.

ANSWER: A

QUESTION NO: 19

Which of the following is a specialized piece of hardware designed to encrypt and decrypt user traffic?

- A. Proxy server
- B. TDR
- C. Smart jack
- D. VPN concentrator

ANSWER: D

QUESTION NO: 20

A network technician is trying to terminate CAT5 modular jacks. Which of the following tools would be MOST appropriate for this scenario?

- A. Crimper
- B. OTDR
- C. Throughput tester
- D. Punch down tool

ANSWER: D