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CompTIA JK0-023

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Topic Break Down

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Topic 1, Network Architecture	182
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Topic 3, Troubleshooting	140
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QUESTION NO: 1

A network technician has determined a managed network switch has failed. The technician knows how to install a new switch, but not how to properly configure it. Which of the following troubleshooting steps should the technician take NEXT?

- A. Escalate the problem
- B. Identify potential effects
- C. Test the theory to determine cause
- D. Establish a plan of action to resolve the problem

ANSWER: A**QUESTION NO: 2**

Lisa, a technician, needs to customize various cable lengths and verify that the cables are working correctly. Which of the following tools would be needed to accomplish this? (Select TWO).

- A. Cable certifier
- B. Multimeter
- C. Crimper
- D. Punch down tool
- E. Loopback plug

ANSWER: A C**QUESTION NO: 3**

Which of the following do DHCP servers provide to requesting devices on the network? (Select TWO).

- A. Encryption
- B. Leases
- C. SSID
- D. Channels
- E. Suffixes
- F. VLAN assignments

ANSWER: B E**QUESTION NO: 4**

Which of the following reside at a minimum of Layer 3 of the OSI model? (Select TWO).

- A. Hub
- B. Switch
- C. MAC address
- D. IP address
- E. Router

ANSWER: D E**QUESTION NO: 5**

Which of the following performance optimization techniques would be MOST beneficial for a network-wide VoIP setup? (Select TWO).

- A. Proxy server
- B. Traffic shaping
- C. Caching engines
- D. Load balancing
- E. Quality of service

ANSWER: B E**QUESTION NO: 6**

A company has only three laptops that connect to their wireless network. The company is currently using WEP encryption on their wireless network. They have noticed unauthorized connections on their WAP and want to secure their wireless connection to prevent this. Which of the following security measures would BEST secure their wireless network? (Select TWO).

- A. Change the encryption method to WPA
- B. Limit the DHCP scope to only have three addresses total
- C. Enable the SSID broadcast
- D. Enable and configure MAC filtering

E. Change the broadcast channel to a less commonly used channel

ANSWER: A D

QUESTION NO: 7

A technician would like to connect two separate LAN networks at a small business for a short period of time, to share files. The connection needs to be temporary, and is physically impossible using standard network cabling. Which of the following is the BEST way to connect the networks in this situation?

- A. Wireless repeater
- B. Wireless bridge
- C. Bluetooth
- D. RADIUS server

ANSWER: B

QUESTION NO: 8

A technician has installed a group of layer 2 switches with multiple VLANs. The VLANs cannot talk to each other. Which of the following network devices could correct this problem? (Select TWO).

- A. Hub
- B. DNS server
- C. DHCP server
- D. Layer 3 switch
- E. Router

ANSWER: D E

QUESTION NO: 9

Which of the following default ports are used with DHCP? (Select TWO).

- A. 22
- B. 23
- C. 53
- D. 67

E. 68

ANSWER: D E

QUESTION NO: 10

Which of the following subnet masks would allow for 192.168.0.3 and 192.168.0.240 to be in the same subnet?

- A. 255.255.255.0
- B. 255.255.255.128
- C. 255.255.255.192
- D. 255.255.255.248

ANSWER: A

QUESTION NO: 11

Which of the following protocols are used for accessing a command line terminal session for management purposes? (Select TWO).

- A. Telnet
- B. FTP
- C. SNMP
- D. SSH
- E. RDP

ANSWER: A D

QUESTION NO: 12

Which two layers of the OSI model make up the TCP/IP model Network Interface layer?

- A. Application and Transport
- B. Transport and Session
- C. Physical and Data Link
- D. Session and Presentation

ANSWER: C

QUESTION NO: 13

Which of the following network topologies is ONLY possible between two users?

- A. Star
- B. Client-server
- C. Hybrid
- D. Peer-to-peer

ANSWER: D**QUESTION NO: 14**

A technician enters a username and password once and can access multiple databases without being prompted to reenter their password. This is an example of which of the following?

- A. Two-factor authentication
- B. Network access control
- C. Multifactor authentication
- D. Single sign-on

ANSWER: D**QUESTION NO: 15**

A new technician has been tasked with implementing a QoS policy for the Network. The technician decides it would be best to monitor the information traversing the network to gain statistical information on ports and protocols utilized. Which of the following tools should the technician use to complete this objective QUICKEST?

- A. Traffic analyzer
- B. Network sniffer
- C. SNMPv3
- D. System logs

ANSWER: A**QUESTION NO: 16**

Which of the following ports would have to be allowed through a firewall to allow SNMP traffic to pass on its default port? (Select TWO).

- A. 22
- B. 23
- C. 143
- D. 161
- E. 162
- F. 8080

ANSWER: D E

QUESTION NO: 17

How many collision domains and broadcast domains are present on a 24-port switch with no VLAN assignments?

- A. 1 collision domain, 1 broadcast domain
- B. 1 collision domain, 24 broadcast domains
- C. 24 collision domains, 1 broadcast domain
- D. 24 collision domains, 24 broadcast domains

ANSWER: C

QUESTION NO: 18

Which of the following uses distance vector algorithms to determine the BEST network route to a destination address?

- A. IS-IS
- B. OSPF
- C. BGP
- D. RIP

ANSWER: D

QUESTION NO: 19

Which of the following ports are MOST commonly used to interactively configure a networking device? (Select TWO).

- A. 21
- B. 22
- C. 23
- D. 53
- E. 67

ANSWER: B C

QUESTION NO: 20

A network administrator wants to see what ports are open on a server. Which of the following commands will show open ports?

- A. netstat
- B. tracert
- C. nbtstat
- D. nslookup

ANSWER: A