QUESTION NO: 1

After connecting a PC to an available port on a switch, you find that the PC can not access any of the resources on the LAN. No other PC's connected to the switch appear to be having any issues. What is the most likely cause for this problem?

A. The router lacks a routing table entry for the new host
B. The host switch port is assigned to the incorrect VLAN
C. The host MAC address is incorrectly configured
D. A STP instance for the new host has not been initialized
E. The switch does not have the MAC address hard coded in the CAM table.

Answer: B

QUESTION NO: 2

The Mojtama University network is shown below:
In the above network, an access list was created in order to prevent Arash-fomo and outsiders on the internet from changing student files in the Records Server, while still allowing other departments in the enterprise access. The access control list was applied to the e0 interface of the Mojtama 3 router going outbound.
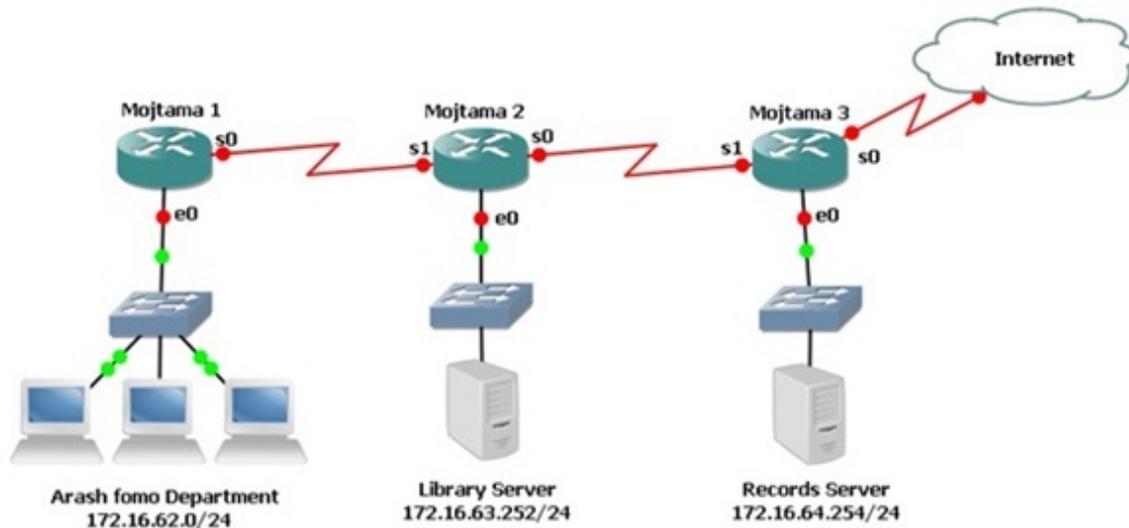
Which two of the following conditions below were contained in the access control list? (Select two answer choices)

A. permit 172.16.64.254 0.0.0.0 172.16.0.0 0.0.255.255
B. permit 172.16.0.0 0.0.255.255 172.16.64.254 0.0.0.0
C. deny 172.16.64.254 0.0.0.0 172.16.62.0 0.0.0.255
D : deny 172.16.62.0 0.0.0.255 172.16.64.254 0.0.0.0
E : deny 172.16.64.254 0.0.0.0 any
F : permit any any

Answer:
B, D

QUESTION NO: 3

You wish to limit telnet access into your Cisco router to only a single host. In order to accomplish this, access list 1 has been written to allow host 172.16.1.224 access to the router vty lines. What command would assign this access- list to the Virtual Terminal Lines?
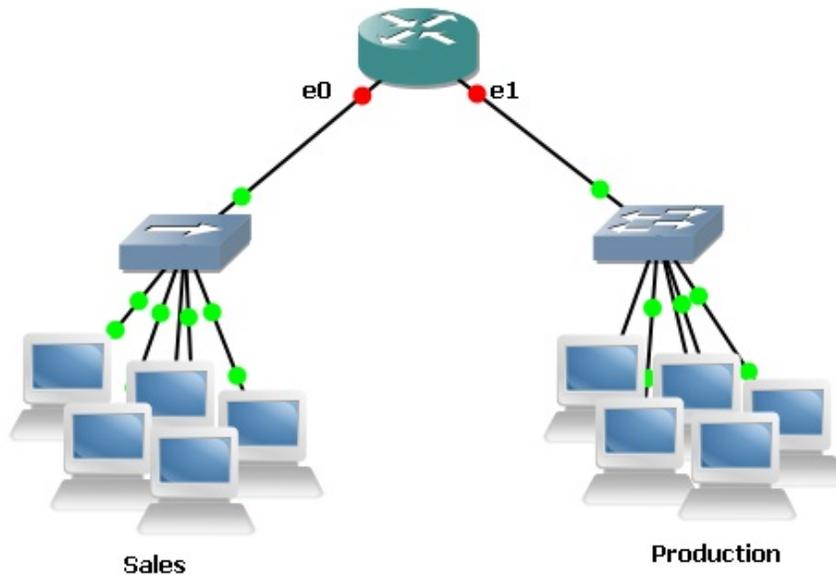
A. router(config-line)# ip access-group 1 in
B. router(config-line)# access-class 1 in
C. router(config-line)# ip access-list 1 in
D. router(config-line)# access-line 1 in

Answer:
B

QUESTION NO: 4

Within the Mojtama office, The Sales and Production networks are separated by a router as shown in the diagram below:

Which of the following statements most accurately describes the characteristics of the above networks broadcast and collision domains? (Select the two best answer choices)

A. There are two broadcast domains in the network.

B. There are four broadcast domains in the network.

C. There are six broadcast domains in the network.

D. There are four collision domains in the network.

E. There are five collision domains in the network.

F. There are seven collision domains in the network.

Answer: A,F

QUESTION NO: 5
You are logged into a router and with to view the layer 3 information about your neighboring Cisco routers. What IOS command gives layer 3 information for of the directly connected router interfaces?

A. show ip links
B. show cdp neighbor
C. show cdp neighbor detail
D. show ip clients
E. show ip route
F. None of the above

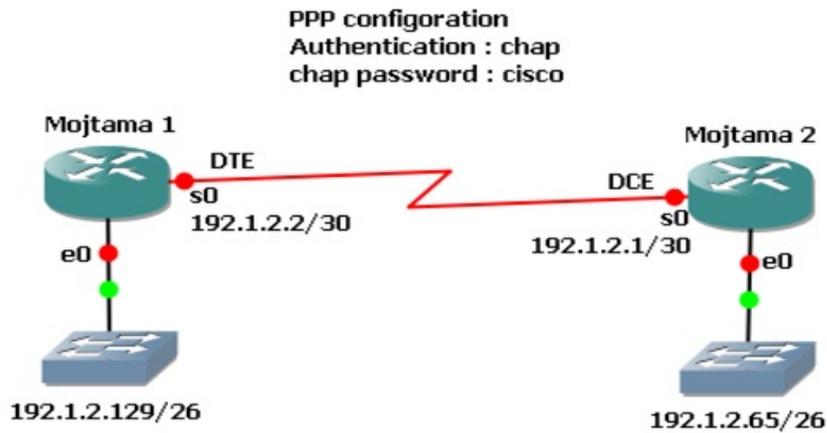**Answer: C**

QUESTION NO: 6

 After working all night and successfully configuring a Cisco router for the Mojtama network you save your changes on the startup config, reboot the router, and go out for a cigarette. When you return, none of your changes are active and the router boots to the initial configuration mode! Which of the choices below indicates the source of your problem?

A. Hardware failure in NVRAM prevents the router from loading the config
B. Startup-config in flash is corrupt and cannot be analyzed
C. Router configuration-register set to bypass startup configuration
D. Startup-config in NVRAM is corrupt and cannot be analyzed
E. None of the above

Answer: C

QUESTION NO: 7

The Mojtama1 and Mojtama2 routers are connected together as shown below:

Users on the Mojtama1 LAN are able to successfully access the resources on the Mojtama2 network. However, users on Mojtama1 are unable to telnet to the Mojtama2 router. What do you suspect are the likely causes of this problem? (Select two answer choices)
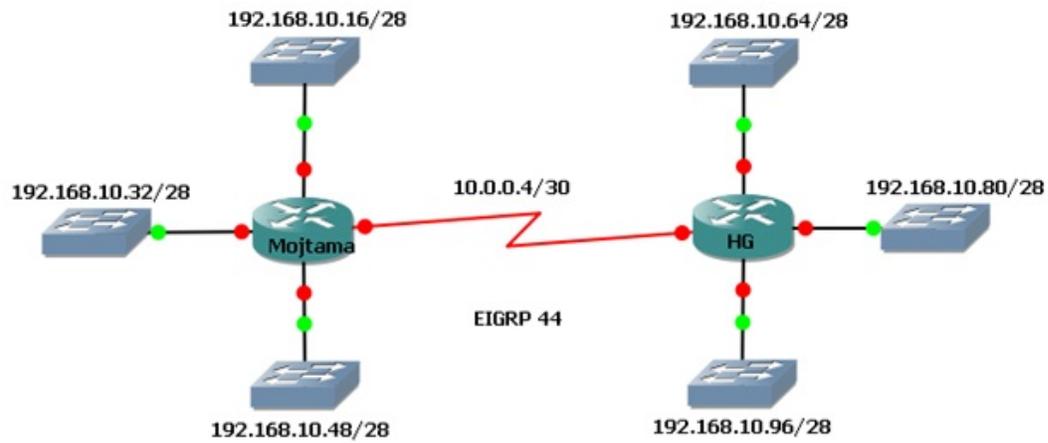
A. PPP authentication configuration problem.
B. A misconfigured IP address or subnet mask
C. An access control list
D. A defective serial cable.
E. No clock rate on interface s0 on mojtama2
F. A missing vty password.

Answer:
C , F

QUESTION NO: 8

The Mojtama network consists of two routers as shown below:

Both routers Mojtama and HG are configured for EIGRP. Unfortunately, users on the Mojtama networks are unable to reach users on the HG networks. Which command could you enter on Mojtama to correct this problem?

A. mojtama(config-router)# version 2
B. mojtama (config-router)# no auto-summary
C. mojtama (config-router)# redistribute eigrp 44
D. mojtama (config-router)# EIGRP log-neighbor-changes
E. mojtama (config-router)# default-information originate

Answer: B

QUESTION NO: 9

Exhibit:

Refer to the exhibit shown above. What is required to allow communication between host A and host B?

A. A CSU/DSU connected to the switches with crossover cables
B. A router connected to the switches with straight-through cables
C. A router connected to the switches with crossover cables
D. A straight-through cable only
E. A crossover cable only

**Answer: B**

QUESTION NO: 10

Which one of the access control list statements below will deny all telnet connections to subnet 10.10.1.0/24?

A. access-list 15 deny telnet any 10.10.1.0 0.0.0.255 eq 23
B. access-list 115 deny udp any 10.10.1.0 eq telnet
C. access-list 15 deny tcp 10.10.1.0 255.255.255.0 eq telnet
D. access-list 115 deny tcp any 10.10.1.0 0.0.0.255 eq 23
E. access-list 15 deny udp any 10.10.1.0 255.255.255.0 eq 23

Answer: D

QUESTION NO: 11

A new point to point circuit is installed, connecting Mojtama 1 to Mojtama 2 as shown below:
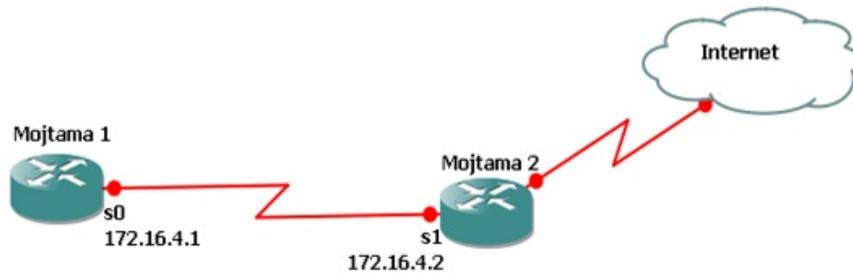
Users at Mojtama 1 wish to utilize the existing Internet connection at Mojtama 2. To do this, a gateway of last resort needs to be set. What is the command to do this?

A. Mojtama1(config)# ip route 172.16.4.2 0.0.0.0 0.0.0.0
B. Mojtama1 (config)# ip route 0.0.0.0 0.0.0.0 S1
C. Mojtama1 (config)# ip route 172.16.4.1 0.0.0.0 0.0.0.0
D. Mojtama1 (config)# ip route S0 0.0.0.0 0.0.0.0
E. Mojtama1 (config)# ip route 0.0.0.0 0.0.0.0 172.16.4.2

Answer: E

QUESTION NO: 12

What is the maximum number of hops OSPF allows before it deems a network unreachable?

A. 15
B. 16
C. 99
D. 255
E. Unlimited

Answer: E

QUESTION NO: 13
Refer to the graphic. Although the console password was set to "Mojtama", it displays in the router configuration as shown. What command caused the password to be stored like this?

TestKing1 #show running-config
<<output omitted>>
line console 0
  exec-timeout 1 55
  password 7 094F60C0B1C1B

A. mojtama1 (config)# encrypt password
B. mojtama1 (config)# password-encryption md 7
C. mojtama1 (config-line)# exec-timeout 1 55
D. mojtama1 (config)# service password-encryption

Answer: D

QUESTION NO: 14

What kind of packets does OSPF send to keep up connectivity with its neighboring routers?

A. SPF packets
B. hello packets
C. keepalive packets
D. dead interval packets
E. LSU packets

Answer: B

QUESTION NO: 15

mojtama.com is merging with several local businesses that use routers from multiple vendors. Which routing protocol would work best to connect mojtama.com with the enterprise networks it has acquired by providing scalability and VLSM support while minimizing network overhead?

A. IGRP
B. EIGRP
C. OSPF
D. RIP v2
E. RIP v1

Answer: C

QUESTION NO: 16
What is the reason for configuring a passive interface on a router? (Select only one answer)

A. Allows interfaces to share common IP addresses.
B. Allows an interface to remain up without the aid of keepalives.
C. Allows a router to send routing and not receive updates via that interface.
D. Allows a routing protocol to forward updates that is missing its IP address.
E. Allows a router to receive routing updates on an interface but not send updates via that interface.

Answer: E

QUESTION NO: 17

What command will disable CDP on a router interface?

A. Mojtama1 (config-if)# no cdp enable
B. Mojtama1 (config-if)# no cdp
C. Mojtama1 (config-if)# no cdp run
D. Mojtama1 (config-if)# no cdp active

Answer: A

QUESTION NO: 18

You just purchased a refurbished router that contains a configuration from a previous deployment. What should you do, before entering a new configuration into the router?

A. RAM should be erased and the router restarted.
B. Flash should be erased and the router restarted.
C. NVRAM should be erased and the router restarted.
D. The new configuration should be entered and saved.

Answer: C

QUESTION NO: 19

A Mojtama technician needs to verify the protocols that have been configured on a router. Which command displays the status of the network layer protocols active on a router?

A. show protocols
B. show version
C. show stacks
D. show network protocols
E. show flash

Answer: A

QUESTION NO: 20

By default, how often does a router running IGRP send its complete routing table to its neighbors?

A. Every 5 minutes
B. Every 90 seconds
C. Every 60 seconds
D. Every 30 seconds

Answer: B

QUESTION NO:21

Which of the following devices can an administrator use to segment their LAN? (Choose all that apply)

A. Hubs
B. Repeaters
C. Switches
D. Bridges
E. Routers
F. Media Converters
G. All of the above

Answer: C, D, E

QUESTION NO: 22

Routers perform which of the following functions? (Select Three)
A. Packet switching
B. Collision prevention on a LAN segment.
C. Packet filtering
D. Broadcast domain enlargement
E. Broadcast forwarding
F. Internetwork communication

Answer: A, C, F

QUESTION NO: 23

Which two of the addresses below are available for host addresses on the subnet 192.168.15.19/28? (Select two answer choices)

A. 192.168.15.17
B. 192.168.15.14
C. 192.168.15.29
D. 192.168.15.16
E. 192.168.15.31
F. None of the above

Answer: A, C

QUESTION NO:24

Using a subnet mask of 255.255.255.224, which of the IP addresses below can you assign to the hosts on this subnet? (Select all that apply)

A. 16.23.118.63
B. 87.45.16.159
C. 92.11.178.93
D. 134.178.18.56
E. 192.168.16.87
F. 217.168.166.192

Answer: C, D, E

QUESTION NO: 26

Given that you have a class B IP address network range, which of the subnet masks below will allow for 100 subnets with 500 usable host addresses per subnet?

A. 255.255.0.0
B. 255.255.224.0
C. 255.255.254.0
D. 255.255.255.0
E. 255.255.255.224

Answer: C