Vendor: CISCO
Exam Code: 640-802
Exam Name: CCNA - Cisco Certified Network Associate
QUESTION 1
The Ethernet 0 interface of a router was configured with address 10.64.0.1 255.224.0.0 while the Ethernet 1 interface was configured with address 10.96.0.1/11. Which commands could be used to configure RIP version 1 on this router to advertise both networks to neighboring routers? (Choose two.)

A. Router(config)# router rip
   Router(config-router)# network 10.0.0.0 255.224.0.0
B. Router(config)# router rip
   Router(config-router)# network 10.64.0.1 255.224.0.0
   Router(config-router)# network 10.96.0.1 255.224.0.0
C. Router(config)# router rip
   Router(config-router)# network 10.0.0.0
D. Router(config)# router rip
   Router(config-router)# network 10.64.0.0
   Router(config-router)# network 10.96.0.0

Answer: CD

QUESTION 2
An administrator is unsuccessful in adding VLAN 50 to a switch. While troubleshooting the problem, the administrator views the output of the show vtp status command, which is displayed in the graphic. What commands must be issued on this switch to add VLAN 50 to the database? (Choose two.)

```
Switch# show vtp status
VTP Version : 2
Configuration Revision : 7
Maximum VLANs supported local : 68
Number of existing VLANs : 8
VTP Operating Mode : Client
VTP Domain Name : corp
VTP Pruning Mode : Disabled
VTP V2 Mode : Disabled
VTP Traps Generation : Disabled
MD5 digest : 0x22 0xF3 0x1A
Configuration last modified by 172.18.22.15 at 5-28-03 11:53:20
```

A. Switch(config-if)# switchport access vlan 50
B. Switch(vlan)# vtp server
C. Switch(config)# config-revision 20
D. Switch(config)# vlan 50 name Tech
E. Switch(vlan)# vlan 50
F. Switch(vlan)# switchport trunk vlan 50

**Answer:** BE

**QUESTION 3**
Refer to the graphic:

A static route to the 10.5.6.0/24 network is to be configured on the HFD router. Which commands will accomplish this? (Choose two.)

A. HFD(config)# ip route 10.5.6.0 0.0.0.255 fa0/0
B. HFD(config)# ip route 10.5.6.0 0.0.0.255 10.5.4.6
C. HFD(config)# ip route 10.5.6.0 255.255.255.0 fa0/0
D. HFD(config)# ip route 10.5.6.0 255.255.255.0 10.5.4.6
E. HFD(config)# ip route 10.5.4.6 0.0.0.255 10.5.6.0
F. HFD(config)# ip route 10.5.4.6 255.255.255.0 10.5.6.0

**Answer:** CD

**QUESTION 4**
Refer to the output of the two show commands in the exhibit:
If an administrator tries to ping host 10.1.8.5 from host 10.1.6.100, how will the ICMP packets be processed by Router A?

A. The packets will be discarded.
B. The packets will be routed out the S0/0 interface.
C. The packets will be routed out the S0/1 interface.
D. The packets will be routed out the Fa0/0 interface.

Answer: C

QUESTION 5
Refer to the exhibit:
Users on WS1 and WS2 are unable to reach the SR1 and SR2 servers to gain the files needed. A ping from the workstations WS1 and WS2 to the gateway address 192.168.2.1 is successful. Which IOS command should the IT administrator issue on RTA to troubleshoot the problem?

A. show ip route
B. configure terminal
C. show startup-config
D. show ip interface FastEthernet0/0

Answer: A

QUESTION 6
Drag and Drop
Drag and drop question. Drag the items to the proper locations.

Answer:

Drag the description on the left to the routing protocol on the right.

**QUESTION 7**
Drag the description on the left to the routing protocol on the right.
Drag and drop question. Drag the items to the proper locations.

**Answer:**

**QUESTION 8**

Which two statements are true regarding EIGRP? (Choose two.)

A. Passive routes are in the process of being calculated by DUAL.
B. EIGRP supports VLSM, route summarization, and routing update authentication.
C. EIGRP exchanges full routing table information with neighboring routers with every update.
D. If the feasible successor has a higher advertised distance than the successor route, it becomes the primary route.
E. A query process is used to discover a replacement for a failed route if a feasible successor is not identified from the current routing information.

**Answer: BE**
QUESTION 9
Refer to the exhibit. After a RIP route is marked invalid on Router_1, how much time will elapse before that route is removed from the routing table?

```
Router_1# show ip protocols
Routing Protocol is "rip"
   Sending updates every 30 seconds, next due in 8 seconds
   Invalid after 180 seconds, hold down 180, flushed after 240
   Outgoing update filter list for all interfaces is not set
   Incoming update filter list for all interfaces is not set
<output omitted>
Router_1#
```

A. 30 seconds
B. 60 seconds
C. 90 seconds
D. 180 seconds
E. 240 seconds

Answer: E

QUESTION 10
Refer to the exhibit. A network associate has configured the internetwork that is shown in the exhibit, but has failed to configure routing properly.

Which configuration will allow the hosts on the Branch LAN to access resources on the HQ LAN with the least impact on router processing and WAN bandwidth?

A. HQ(config)# ip route 192.168.1.0 255.255.255.0 192.168.2.5 Branch(config)# ip route
QUESTION 11
A Catalyst 2950 needs to be reconfigured. What steps will ensure that the old configuration is erased? (Choose three.)

A. Erase flash.  
B. Restart the switch.  
C. Delete the VLAN database.  
D. Erase the running configuration.  
E. Erase the startup configuration.  
F. Modify the configuration register.

Answer: BCE

QUESTION 12
What is one reason that WPA encryption is preferred over WEP?
A. A WPA key is longer and requires more special characters than the WEP key.
B. The access point and the client are manually configured with different WPA key values.
C. WPA key values remain the same until the client configuration is changed.
D. The values of WPA keys can change dynamically while the system is used.

Answer: D

QUESTION 13
A network administrator is troubleshooting an EIGRP problem on a router and needs to confirm the IP addresses of the devices with which the router has established adjacency. The retransmit interval and the queue counts for the adjacent routers also need to be checked. What command will display the required information?

A. Router# show ip eigrp adjacency
B. Router# show ip eigrp topology
C. Router# show ip eigrp interfaces
D. Router# show ip eigrp neighbors

Answer: D

QUESTION 14
All WAN links inside the ABC University network use PPP with CHAP for authentication security. Which command will display the CHAP authentication process as it occurs between two routers in the network?

A. show chap authentication
B. show interface serial0
C. debug ppp authentication
D. debug chap authentication
E. show ppp authentication chap

Answer: C
QUESTION 15
Refer to the exhibit:

Three Cisco 2950 switches are set to their default priority settings. During the spanning-tree process, which switch will be elected as the root bridge?

A. Switch3
B. Switch4
C. Switch2
D. Switch1

Answer: D

QUESTION 16
Refer to the exhibit. When running OSPF, What would cause router A not to form an adjacency with router B?
A. The loopback addresses are on different subnets.  
B. The value of the dead timers on the router are different.  
C. Route summarization is enabled on both routers.  
D. The process identifier on router A is different than the process identifier on router B.  

Answer: B

QUESTION 17
Refer to the exhibit. What statement is true of the configuration for this network?
A. The configuration that is shown provides inadequate outside address space for translation of the number of inside addresses that are supported.
B. Because of the addressing on interface FastEthernet0/1, the Serial0/0 interface address will not support the NAT configuration as shown.
C. The number 1 referred to in the ip nat inside source command references access-list number 1.
D. ExternalRouter must be configured with static routers to network 172.16.2.0/24

Answer: C

QUESTION 18
Which two commands can be used to verify a trunk link configuration status on a Cisco switch? (choose two)

A. show interfaces trunk
B. show interfaces switchport
QUESTION 19
Refer to the exhibit. The company uses EIGRP as the routing protocol. What path will packets take from a host on 192.168.10.192/26 network to a host on the LAN attached to router R1?

A. The path of the packets will be R3 to R2 to R1.
B. The path of the packets will be R3 to R1 to R2.
C. The path of the packets will be both R3 to R2 to R1 and R3 to R1.
D. The path of the packets will be R3 to R1

Answer: D

QUESTION 20
Refer to the diagram:

Which three statements describe the router port configuration and the switch port configuration as shown in the topology? (Choose three.)

A. The Router1 WAN port is configured as a trunking port.
B. The Router1 port connected to Switch1 is configured using subinterfaces.
C. The Router1 port connected to Switch1 is configured as 10 Mbps.
D. The Switch1 port connected to Router1 is configured as a trunking port.
E. The Switch1 port connected to Host B is configured as an access port.
F. The Switch1 port connected to Hub1 is configured as full duplex.

**Answer:** BDE