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Cisco

Exam Questions 200-125

CCNA Cisco Certified Network Associate CCNA (v3.0)

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NEW QUESTION 1

- (Exam Topic 1)

![Image 1](https://www.certshared.com)

refer to the exhibit , on R1, which routing protocol is in use on the route to 192.168.10.1?

A. EIGRP
B. OSPF
C. RIP
D. BGP

Answer: A

NEW QUESTION 2

- (Exam Topic 1)

which statement about snmpv2 is true ?

A. it requires password at least eight characters in length
B. it requires passwords to be encrypted
C. its privacy algorithms use md5 encryption by default
D. its authentic and privacy algorithms are enabled without default values

Answer: D

NEW QUESTION 3

- (Exam Topic 1)

Which options are requirements for configuring RIPv2 on an IPv4 network router? (Choose two.)

A. enabling RIP on the router
B. allowing unicast updates for RIP
C. enabling RIP authentication
D. connecting RIP to a WAN interface
E. enabling automatic route summarization

Answer: AB

NEW QUESTION 4

- (Exam Topic 1)

While troubleshooting a connection problem on a computer, you determined that the computer can ping a specific web server but it cannot connect to TCP port 80 on that server. Which reason for the problem is most likely true?

A. A VLAN number is incorrect.
B. A Route is missing
C. An ARP table entry is missing.
D. An ACL is blocking the TCP port.

Answer: D

NEW QUESTION 5

- (Exam Topic 1)
How can you manually configure a switch so that it is selected as the root Switch?

A. increase the priority number
B. lower the port priority number
C. lower the priority number
D. increase the port priority number

Answer: C

NEW QUESTION 6

- (Exam Topic 1)
which three options are fields in a basic ethernet data frame?

A. preamble
B. time to live
C. version
D. header checksum
E. length type
F. frame check sequence

Answer: AEF

NEW QUESTION 7

- (Exam Topic 2)
Which two statements about fiber cable are true? (Choose two)

A. Single-mode fiber supports SC and LC connectors only.
B. Multimode cable supports speeds between 100 Mbps and 9.92 Gbps.
C. Single-mode cable is most appropriate for installations longer than 10 km.
D. Fiber cable is relatively inexpensive and supports a higher data rate than coaxial cable.
E. Multimode cable supports speeds between 100 Mbps and 100 Gbps.

Answer: CD

NEW QUESTION 8

- (Exam Topic 2)
Refer to the exhibit. While you troubleshoot a connectivity issue to a PC behind R1, you enter the show access-lists command to generate this output. Which reason for the problem is most likely true?

A. The permit all ACL entry on R1 is inactive.
B. The ACL of R1 is misconfigured.
C. A deny all ACL entry is currently active on R1.
D. An implicit deny is causing R1 to block network traffic.

Answer: D
NEW QUESTION 9

Which benefit of implementing a dual-homed WAN connection instead of a single homed connection is true?

A. Only dual-homed connections support recursive routing
B. Only dual-homed connections support split horizon with EIGRP
C. Only dual-homed connections enable an individual router to tolerate the loss of a network link
D. Only dual-homed connections support OSPF in conjunction with BGP

Answer: C

NEW QUESTION 10

Which three statements accurately describe CDP? (Choose three.)

A. CDP can discover Cisco devices that are not directly connected.
B. CDP is a network layer protocol.
C. CDP can discover directly connected neighboring Cisco devices.
D. CDP is a datalink layer protocol.
E. CDP is a Cisco proprietary protocol.
F. CDP is an IEEE standard protocol.

Answer: CDE

NEW QUESTION 11

Which feature automatically disables Cisco Express Forwarding when it is enabled?

A. multicast
B. IP redirects
C. RIB
D. ACL logging

Answer: D

Explanation: If you enable Cisco Express Forwarding and then create an access list that uses the log keyword, the packets that match the access list are not Cisco Express Forwarding switched. They are process switched. Logging disables Cisco Express Forwarding.

NEW QUESTION 12

- (Exam Topic 3)

You are implementing PPP over serial links between RT router and branch office. In Phase 2 your colleague is expected to do BGP and ISP configurations between RT and ISP routers.

Identify the instances that you encounter during PPP over serial links implementation:

Branch1 and Branch2 connect to R1 in the main office over serial links.

PPP tunnel implementation is recomended between R1 and Branch1 routers.

The GRE tunnel is configured between R2 and Branch2 routers, and traffic between Branch1 LAN 1 10.10.624 and Branch2 LAN 1 10.10.624 network is routed over GRE tunnel using static route.

You have complete access on R1, R2, Branch1, Branch2, and Branch3 access. Use only show commands to troubleshoot the issues.

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Why did Branch1 router lose WAN connectivity with R1 router?

A. The IP address is misconfigured on PPP multilink interface on the Branch1 router.
B. The PPP multilink group is misconfigured on the Branch1 serial interfaces.
C. The PPP multilink group is misconfigured on the R1 serial interfaces.
D. The Branch1 serial interfaces are placed in a shutdown condition.

**Answer: A**

**Explanation:** This question clearly stated there is a WAN connectivity issue between R1 and Branch1 so we should check both of them with the “show ip interface brief” command. On R1:

```
R1#show ip interface brief

<table>
<thead>
<tr>
<th>Interface</th>
<th>IP-Address</th>
<th>OK? Method Status</th>
<th>Protocol</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethernet0/0</td>
<td>172.16.10.1</td>
<td>YES manual up</td>
<td>up</td>
</tr>
<tr>
<td>Ethernet0/1</td>
<td>203.1.1.2</td>
<td>YES manual up</td>
<td>up</td>
</tr>
<tr>
<td>Ethernet0/2</td>
<td>unassigned</td>
<td>YES unset administratively down</td>
<td>down</td>
</tr>
<tr>
<td>Ethernet0/3</td>
<td>unassigned</td>
<td>YES unset administratively down</td>
<td>down</td>
</tr>
<tr>
<td>Serial1/0</td>
<td>unassigned</td>
<td>YES unset up</td>
<td>up</td>
</tr>
<tr>
<td>Serial1/1</td>
<td>unassigned</td>
<td>YES unset up</td>
<td>up</td>
</tr>
<tr>
<td>Serial1/2</td>
<td>192.168.16.1</td>
<td>YES manual up</td>
<td>down</td>
</tr>
<tr>
<td>Serial1/3</td>
<td>192.168.15.1</td>
<td>YES manual up</td>
<td>up</td>
</tr>
<tr>
<td>Multilink1</td>
<td>192.168.14.1</td>
<td>YES manual up</td>
<td>up</td>
</tr>
<tr>
<td>NVT0</td>
<td>unassigned</td>
<td>NO unset up</td>
<td>up</td>
</tr>
</tbody>
</table>
```

On Branch1:

```
Branch1#show ip interface brief

<table>
<thead>
<tr>
<th>Interface</th>
<th>IP-Address</th>
<th>OK? Method Status</th>
<th>Protocol</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethernet0/0</td>
<td>192.168.12.1</td>
<td>YES manual up</td>
<td>up</td>
</tr>
<tr>
<td>Ethernet0/1</td>
<td>unassigned</td>
<td>YES unset administratively down</td>
<td>down</td>
</tr>
<tr>
<td>Ethernet0/2</td>
<td>unassigned</td>
<td>YES unset administratively down</td>
<td>down</td>
</tr>
<tr>
<td>Ethernet0/3</td>
<td>unassigned</td>
<td>YES unset administratively down</td>
<td>down</td>
</tr>
<tr>
<td>Serial1/0</td>
<td>unassigned</td>
<td>YES unset up</td>
<td>up</td>
</tr>
<tr>
<td>Serial1/1</td>
<td>unassigned</td>
<td>YES unset up</td>
<td>up</td>
</tr>
<tr>
<td>Serial1/2</td>
<td>unassigned</td>
<td>YES unset administratively down</td>
<td>down</td>
</tr>
<tr>
<td>Serial1/3</td>
<td>unassigned</td>
<td>YES unset administratively down</td>
<td>down</td>
</tr>
<tr>
<td>Multilink1</td>
<td>192.168.41.2</td>
<td>YES manual up</td>
<td>up</td>
</tr>
</tbody>
</table>
```

We can see that although the Multilink1 interfaces are in “up/up” state but they are not in the same subnet. According to the IP address scheme shown on the topology we can deduce the Multilink interface on Branch1 has been misconfigured, it should be 192.168.14.2 instead.

**NEW QUESTION 13**

- (Exam Topic 3)

After you configure the ip dns spoofing command globally on a device, under which two conditions is DNS spoofing enabled on the device? (Choose two)

A. The ip dns spoofing command is disabled on the local interface
B. The ip host command is disabled
C. All configured IP name server addresses are removed
D. The DNS server queue limit is disabled
E. The no ip domain lookup command is configured

**Answer: BD**


**NEW QUESTION 14**

- (Exam Topic 3)

Drag and Drop the protocols from the left onto the correct IP traffic types on the right.
NEW QUESTION 15

- (Exam Topic 3)
Based on the output below from SwitchB, Which Statement is True?

A. VLAN 40 is running the per VLAN Spanning Tree Protocol
B. The Fa0/11 role confirms that SwitchB is the root bridge for VLAN 40
C. SwitchB is not the root bridge, because not all of the interface roles are designated
D. The MAC Address of the root bridge is 0017:596d.1580

Answer: C
How does a Cisco IP phone handle untagged traffic that it receives from an attached PC?

A. It drops the traffic.
B. It allows the traffic to pass through unchanged.
C. It tags the traffic with the default VLAN
D. It tags the traffic with the native VLAN.

Answer: B

Explanation: Untagged data traffic from the device attached to the Cisco IP phone passes through the Cisco IP phone unchanged, regardless of the trust state of the access port on the Cisco IP phone.


NEW QUESTION 17

Which two Layer 2 WAN transports are most appropriate to extend Ethernet over a WAN? (Choose two)

A. 802.1Q VLAN tagging
B. DMVPN
C. 4GLTE with VPN
D. Point-to-multipoint service
E. Point-to-point service

Answer: DE

NEW QUESTION 18

What are two benefits of private IPv4 IP addresses? (Choose two.)

A. They can be assigned to devices not requiring Internet connections.
B. They eliminate the necessity for NAT policies.
C. They eliminate duplicate IP conflicts.
D. They are routed to the Internet the same as public IP addresses.
E. They are less costly than public IP addresses.

Answer: AE

NEW QUESTION 19

Host 1 is trying to communicate with Host 2. The e0 interface on Router C is down.

Which of the following are true? (Choose two.)

A. Router C will use ICMP to inform Host 1 that Host 2 cannot be reached.
B. Router C will use ICMP to inform Router B that Host 2 cannot be reached.
C. Router C will use ICMP to inform Host 1, Router A, and Router B that Host 2 cannot be reached.
D. Router C will send a Destination Unreachable message type.
E. Router C will send a Router Selection message type.
F. Router C will send a Source Quench message type.

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Answer: AD

Explanation: Host 1 is trying to communicate with Host 2. The e0 interface on Router C is down. Router C will send ICMP packets to inform Host 1 that Host 2 cannot be reached.

NEW QUESTION 20

- (Exam Topic 5)
Which two benefits of implementing point-to-point links for WAN connections are true? (Choose two)

A. You can configure multiple point-to-point connections on each interface.
B. They can provide dedicated capacity
C. They are a low-cost option
D. They operate with low latency
E. They can provide flexible routing.

Answer: BC

NEW QUESTION 21

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