

100-105^{Q&As}

Interconnecting Cisco Networking Devices Part 1 (ICND1)

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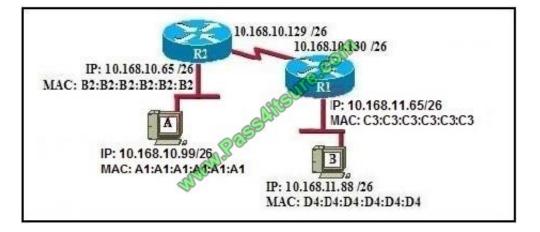
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QUESTION 1

Refer to the exhibit.



If host A sends an IP packet to host B, what will the source physical address be in the frame when it reaches host B?

- A. 10.168.10.99
- B. 10.168.11.88
- C. A1:A1:A1:A1:A1:A1
- D. B2:B2:B2:B2:B2:B2
- E. C3:C3:C3:C3:C3:C3
- F. D4:D4:D4:D4:D4:D4

Correct Answer: E

When packets transfer from one host to another across a routed segment, the source IP address always remains the same source IP address, and the source physical (MAC) address will be the existing router\\'s interface address. Similarly, the destination IP address always remains the same and the destination physical (MAC) address is the destination router\\'s interface address.

QUESTION 2

When is a routing table entry identified as directly connected?

- A. when the local router is in use as the network default gateway
- B. when the network resides on a remote router that is physically connected to the local router
- C. when an interface on the route is configure with an ip address and enabled
- D. when the route is statically assigned to reach a specific network

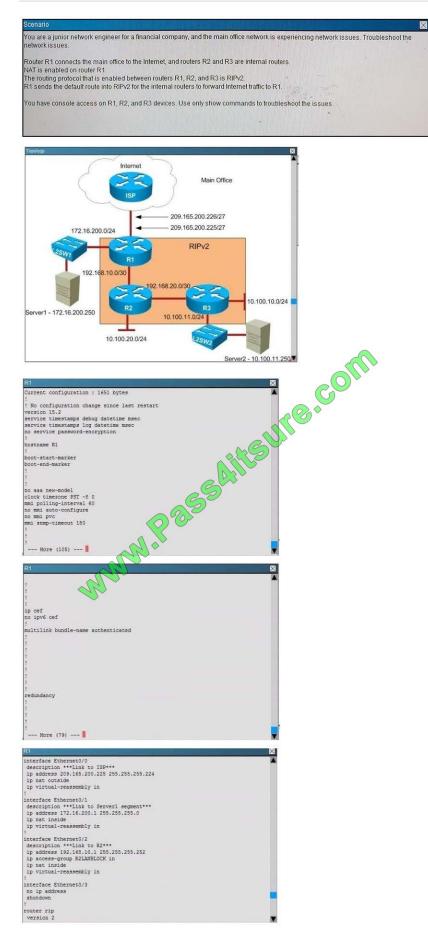
Correct Answer: C



QUESTION 3

Instru	uctions	\times
Instru • •	Enter IOS commands on the device to verify network operation and answer the multiple-choice questions. THIS TASK DOES NOT REQUIRE DEVICE CONFIGURATION. Click the device icon to gain access to the console of the device. No console or enable passwords are required. To access the multiple-choice questions, click the numbered boxes on the deft of the top panel. There are four multiple-choice questions with this task. Be sure to answer all four questions before clicking Next button.	X
	WWWW	





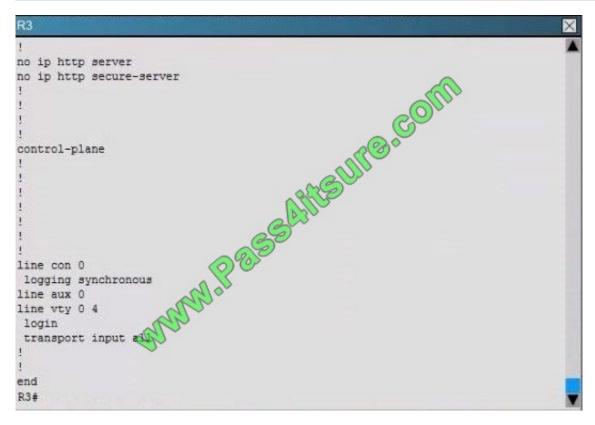


RI	\times
ip nat inside source list LOCAL interface Ethernet0/0 overload ip route 0.0.0.0 0.0.0.0 209.165.200.226	
ip access-list standard R2LANBLOCK deny 10.100.20.0 0.0.0.255	
permit any	
ip access-list extended LOCAL permit ip host 127.0.0.1 any	
1	
! control-plane	
1	
1	
line con 0	
logging synchronous line aux 0	
More (7)	
R1	×
ip access-list extended LOCAL	
permit ip host 127.0.0.1 any	
control-plane	
1	
line con 0	
logging synchronous	
line aux 0 line vty 0 4	
login transport input all	
1	
ntp server 209.165.200.226 !	
end Rie	
R2	×
Building configuration	
Current configuration : 1243 bytes	
versinn 15.2 service timestamps debug datetime msec service timestamps log datetime msec	
service timestamps log datetime msec no service password-encryption	
Luna MG	
hostname R2	
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R3	\times
Current configuration : 1115 bytes	-
' version 15.2	
service timestamps debug datetime msec service timestamps log datetime msec	
no service password-encryption !	
hostname R3 !	
boot-start-marker boot-end-marker	
! no aaa new-model	
clock timezone PST -8 0 mmi polling-interval 60	
no mmi auto-configure no mmi pvc	
mmi snmp-timeout 180 !	
	T
R3	×
! ip cef	
no ipv6 cef	
multilink bundle-name authenticated	
	10
	18
redundancy	
	- 18
a de la constante de la consta	
More (60)	
	000
R3	
	1
ip address 192.168.250.3 255.255.255.255	
interface Ethernet0/0	
description ***Link to LAN*** ip address 10.100.10.1 255.255.255.0	
interface Ethernet0/1	
description ***Link to R2***	
ip address dhcp	
ip address dhop	
ip address dhop interface Ethernet0/2 description ***Link to Server2 desempt*** ip address 01.000.11.1 255/255/255.0	
ip address dhop interface Ethernet0/2 description ***Eink to Server2.desemb.*** ip address 10.100.11.1 255.755 (25.0	
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<pre>interface Ethernet0/2 description ***Link to Server2 creation*** ip address 10.100.11.1 255.753 (29.1) interface Ethernet0/3 no ip address shutdown</pre>	
ip address dhop interface Ethernet0/2 description **Link to Server2 crossept*** ip address 10.100.11.1 255,755 (39.0 interface Ethernet0/3 no ip address shutdown router rip version 2	
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83	
R3 description ***Link to Server2 Segment*** jp address 10.100.11.1 255.255.255.0 interface Ethernet0/3	
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R3 description ***Link to Server2 Segment*** ip address 10.100.11.1 255.255.255.0 ; interface Ethernet0/3 no 1p address shutdown ; router rip	
R3 description ***Link to Server2 Segment*** ip address 10.100.11.1 255.255.255.0 ; interface Ethernet0/3 no 1p address shutdown ; router rip version 2 network 10.0.0.0	
R3 description ***Link to Server2 Segment*** ip address 10.100.11.1 255.255.255.0 interface Ethernet0/3 no 1p address shutdown i router rip version 2 network 10.0.0.0 network 10.0.0.0 network 132.168.20.0 network 132.168.20.0	
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<pre>23 description ***link to Server2 Segment*** p address 10.100.11.1 255.255.255.0 interface Ethernet0/3 no ip address shutdown router rip version 2 network 102.00.0 network 102.106.20.0 no auto-summary p forward-protocol nd i no ip http server no ip http server so ip http server i control-plane i </pre>	
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Users complain that they are unable to reach Internet sites. You are troubleshooting Internet connectivity problem at main office. Which statement correctly identifies the problem on Router R1?

A. Interesting traffic for NAT ACL is incorrectly configured.

B. NAT configurations in the interfaces are incorrectly configured.

C. NAT translation statement incorrectly configured.

D. Only static NAT translation configured for the server, missing Dynamic NAT or Dynamic NAT overloading for internal networks.

Correct Answer: B

If all users cannot access the Internet, then R1 is most likely to cause the problem so we should check it first. From the "show running-config" command we will see:



```
R1# show running-config
<output omitted>
interface Ethernet0/0
 description Link to ISP
 ip address 209.165.200.225 255
                                      255.224
 ip nat inside
 ip virtual-reassembly in
!
interface Ethernet0/
 description Link to Server 1
 ip address 172.16,200.1 255.255.255.0
 ip nat outside 10
 ip virtual-reassembly in
I
interface Ethernet0/2
 description Link to R2
 ip address 192.168.10.1 255.255.255.252
 ip nat outside
 ip virtual-reassembly in
```

Here we see that interface E0/0 (connected to ISP) has been configured as "nat inside" while interfaces E0/1 and E0/2 (connected to our company) have been configured as "nat outside". This is not correct because "nat inside" should be configured with interfaces connected to our company while "nat outside" should be configured with interfaces connected to the internet. Therefore, we can conclude the NAT configuration on these interfaces is not correct.

QUESTION 4

Which statement about wireless access points is true?

- A. They are Layer 2 devices that are used to extend a LAN to wireless clients.
- B. They provide full duplex connectivity to host devices.
- C. They are used as routers between LANs in a wireless network.
- D. They are used to physically connect host devices to the wireless network.

Correct Answer: A

QUESTION 5

Which two IPv6 multicast groups are joined when an IPv6 address is configured on an interface? (Choose two.)

A. FF02::2

B. 2002::5



- C. FF80::6
- D. FF80::5
- E. FF02::1

Correct Answer: AE

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