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[Quiz-3](#)

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**Started on** Wednesday, 31 August 2022, 2:05 PM

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**State** Finished

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**Completed on** Wednesday, 31 August 2022, 2:11 PM

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**Time taken** 6 mins

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**Grade** 10.00 out of 10.00 (100%)

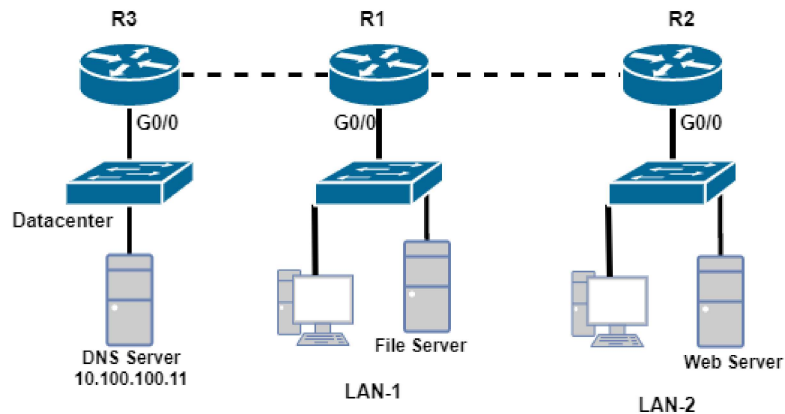
Question 1

Correct

Mark 2.00 out of 2.00

Reserving the first 5 and the last addresses for static assignment in LAN-1 DHCP Configuration.

Network Address: Lan-1: 192.168.100.0/24 and Lan-2: 192.168.101.0/24



- ☐ a. R1(Config)# ip dhcp excluded-address 192.168.100.1 192.168.100.6  
R1(Config)# ip dhcp excluded-address 192.168.100.254
- ☐ b. R1(Config)# ip dhcp excluded-address 192.168.100.1 192.168.100.9  
R1(Config)# ip dhcp excluded-address 192.168.100.254
- ☒ c. R1(Config)# ip dhcp excluded-address 192.168.100.1 192.168.100.5  
R1(Config)# ip dhcp excluded-address 192.168.100.254
- ☐ d. R2(Config)# ip dhcp excluded-address 192.168.100.1 192.168.100.5  
R3(Config)# ip dhcp excluded-address 192.168.100.254



Your answer is correct.

The correct answer is:

R1(Config)# ip dhcp excluded-address 192.168.100.1 192.168.100.5

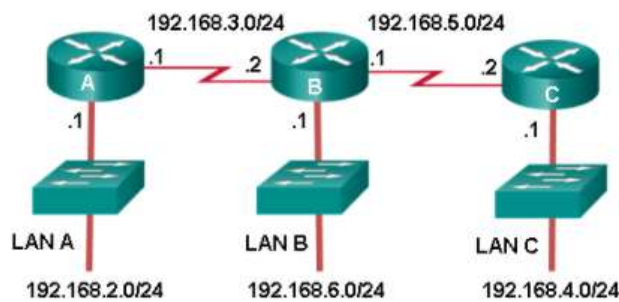
R1(Config)# ip dhcp excluded-address 192.168.100.254

## Question 2

Correct

Mark 1.50 out of 1.50

Refer to the graphic. Which command would be used on router A to configure a static route to direct traffic from LAN A that is destined for LAN C?



- ☐ a. A(config)# ip route 192.168.3.2 255.255.255.0 192.168.4.0
- ☐ b. A(config)# ip route 192.168.3.0 255.255.255.0 192.168.3.1
- ☐ c. A(config)# ip route 192.168.5.0 255.255.255.0 192.168.3.2
- ☒ d. A(config)# ip route 192.168.4.0 255.255.255.0 192.168.3.2
- ☐ e. A(config)# ip route 192.168.4.0 255.255.255.0 192.168.5.2



Your answer is correct.

The correct answer is:

A(config)# ip route 192.168.4.0 255.255.255.0 192.168.3.2

Question 3

Correct

Mark 2.00 out of 2.00

Which of the following statements are true regarding the command *ip route 172.16.4.0 255.255.255.0 192.168.4.2?*

1. The command is used to establish a static route.
2. It is a Default Static Routing.
3. The command is used to configure the default route.
4. The subnet mask for the source address is 255.255.255.0.

- ☐ a. All of the above
- ☒ b. 1 Only
- ☐ c. 4 Only
- ☐ d. 2 and 3
- ☐ e. 1 and 2



Your answer is correct.

The correct answer is:

1 Only

## Question 4

Correct

Mark 1.50 out of 1.50

The UIU-Core router receives an IP packet with a source IP address of 192.168.214.20 and a destination address of 192.168.22.3. Looking at the output from the UIU-Core router, what will the router do with this packet?

UIU-Core#show ip route

R 192.168.215.0 [120/2] via 192.168.20.2, 00:00:23, Serial0/0

R 192.168.115.0 [120/1] via 192.168.20.2, 00:00:23, Serial0/0

R 192.168.30.0 [120/1] via 192.168.20.2, 00:00:23, Serial0/0

C 192.168.20.0 is directly connected, Serial0/0

C 192.168.214.0 is directly connected, FastEthernet0/0

- ☐ a. The packet will be routed out the S0/0 interface
- ☐ b. The packet will be routed out the Fa0/0 interface.
- ☒ c. The packet will be discarded.
- ☐ d. The router will broadcast looking for the destination



Your answer is correct.

The correct answer is:

The packet will be discarded.

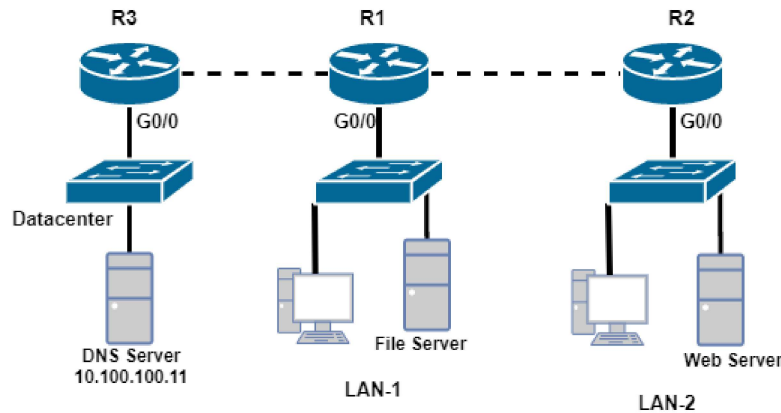
## Question 5

Correct

Mark 3.00 out of 3.00

Which set of commands will configure a router as a DHCP server that will assign IPv4 addresses to the LAN-1?

Network Address: Lan-1: 192.168.100.0/23 and Lan-2: 192.168.101.0/22



- ☒ a. R1(Config)# dhcp pool R1G0/0  
R1(Config-dhcp)#network 192.168.100.0 255.255.254.0  
R1(Config-dhcp)#default-router 192.168.100.1  
R1(Config-dhcp)#dns-server 10.100.100.11  
R1(Config-dhcp)#exit
- ☐ b. R2(Config)# dhcp pool R2G0/0  
R2(Config-dhcp)#network 192.168.100.0 255.255.254.0  
R2(Config-dhcp)#default-router 192.168.100.1  
R2(Config-dhcp)#dns-server 10.100.100.11  
R2(Config-dhcp)#exit
- ☐ c. R2(Config)# dhcp pool R2G0/0  
R2(Config-dhcp)#network 192.168.101.0 255.255.252.0  
R2(Config-dhcp)#default-router 192.168.101.1  
R2(Config-dhcp)#dns-server 10.100.100.11  
R2(Config-dhcp)#exit
- ☐ d. R1(Config)# dhcp pool R1G0/0  
R1(Config-dhcp)#network 192.168.101.0 255.255.252.0  
R1(Config-dhcp)#default-router 192.168.101.1  
R1(Config-dhcp)#dns-server 10.100.100.11  
R1(Config-dhcp)#exit



Your answer is correct.

The correct answer is:

```
R1(Config)# dhcp pool R1G0/0
R1(Config-dhcp)#network 192.168.100.0 255.255.254.0
R1(Config-dhcp)#default-router 192.168.100.1
R1(Config-dhcp)#dns-server 10.100.100.11
R1(Config-dhcp)#exit
```

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