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Started on Thursday, 28 July 2022, 9:25 PM

State Finished

Completed on Thursday, 28 July 2022, 9:39 PM

Time taken 14 mins 29 secs

Marks 12.50/15.00

Grade 8.33 out of 10.00 (83%)

Question 1

Complete

Mark 1.50 out of 1.50

Find the **Usable IP Address** of Subnet Mask Prefix /27.

- ☐ a. 2
- ☐ b. 14
- ☐ c. 6
- ☐ d. 126
- ☐ e. 62
- ☒ f. 30

The correct answer is:
30

Question **2**

Complete

Mark 1.00 out of 1.00

How long is an IPv4 address?

- ☐ a. 32 bytes
- ☐ b. 64 bytes
- ☒ c. 32 bits
- ☐ d. 64 bits

The correct answer is:
32 bits

Question 3

Complete

Mark 1.00 out of 1.00

Which command displays the routing table?

- ☒ a. *R1#show ip route*
- ☐ b. *R1#show routing table*
- ☐ c. *R1>show ip route*
- ☐ d. *R#show protocols*

The correct answer is:

R1#show ip route

Question 4

Complete

Mark 1.00 out of 1.00

What type of devices connection do we use copper straight through type cable?

- ☐ A. Router to Router
- ☒ B. Router to Switch
- ☐ C. Switch to HUB
- ☐ D. PC to PC

The correct answer is:
Router to Switch

Question 5

Complete

Mark 1.50 out of 1.50

select the Cisco IOS Commame Mode for the below terminal prompt?

UIU-Router>

- ☐ a. Global Configuration Mode
- ☒ b. User EXEC mode
- ☐ c. Privileged EXEC mode
- ☐ d. Other Configuration Mode

The correct answer is:

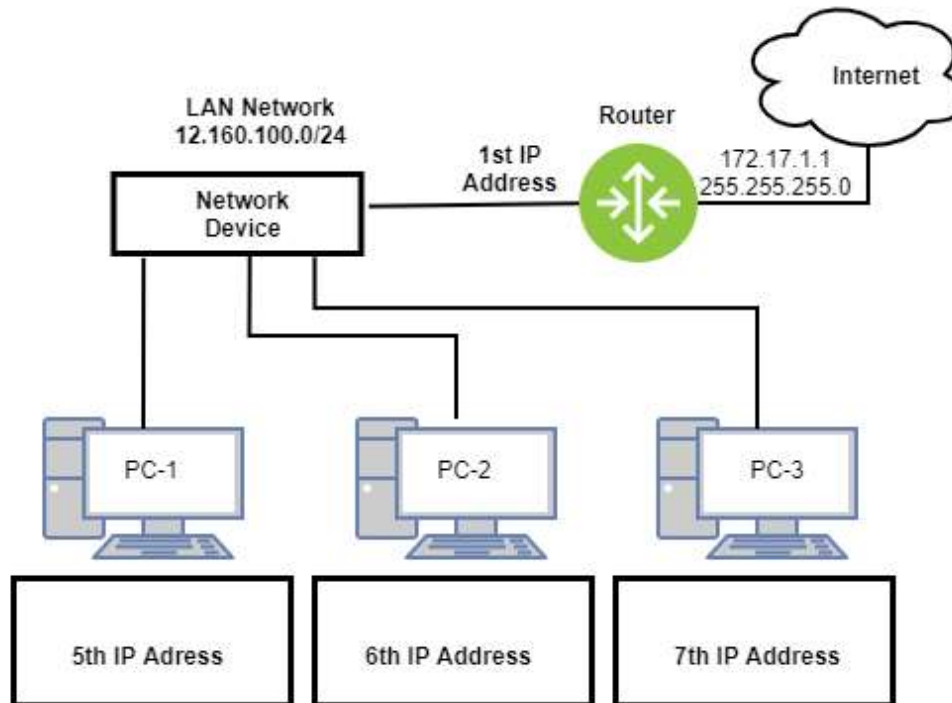
User EXEC mode

Question 6

Complete

Mark 1.50 out of 1.50

Refer to the topology, write the **PC-1 IP Address** of the LAN Side.



- ☒ a. 12.160.100.5 255.255.255.0
- ☐ b. 12.160.100.1 255.255.255.0
- ☐ c. 12.160.100.6 255.255.255.0
- ☐ d. 12.160.100.7 255.255.255.0

The correct answer is:
12.160.100.5 255.255.255.0

Question 7

Complete

Mark 1.00 out of 1.00

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

The correct answer is:

The packet will be discarded.

Question 8

Complete

Mark 1.50 out of 1.50

Find the **Usable IP Address** of Subnet Mask Prefix /28.

- ☒ a. 14
- ☐ b. 30
- ☐ c. 126
- ☐ d. 2
- ☐ e. 6
- ☐ f. 62

The correct answer is:

14

Question 9

Complete

Mark 1.00 out of 1.00

Which class of IP address provides a minimum number of host addresses per network ID?

- ☐ a. Class D
- ☐ b. Class B
- ☒ c. Class C
- ☐ d. Class A

The correct answer is:

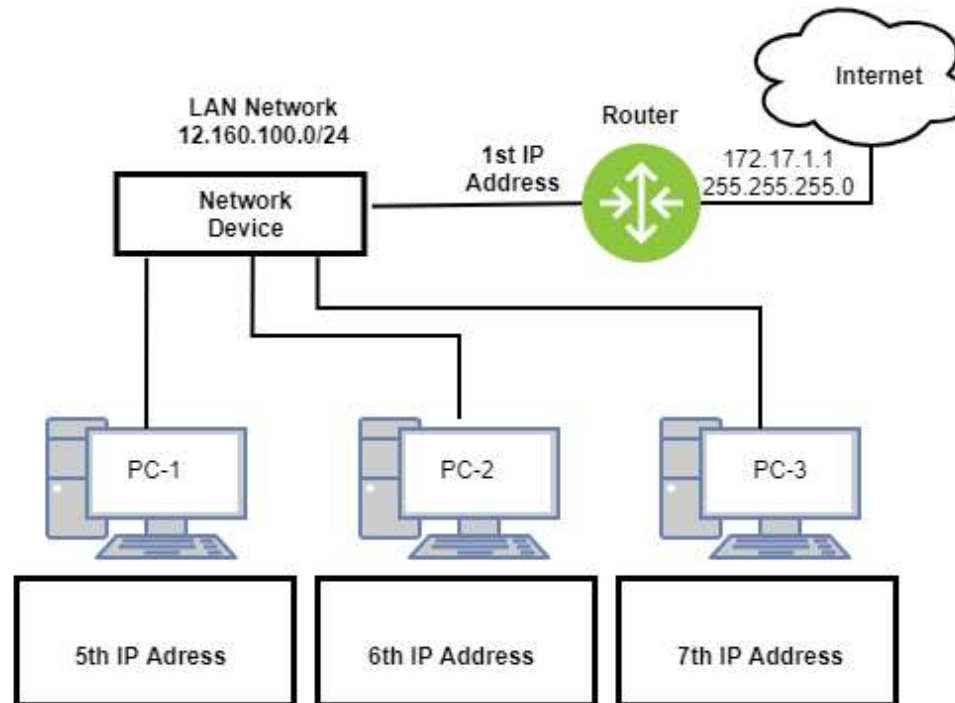
Class C

Question 10

Complete

Mark 1.50 out of 1.50

Refer to the topology, write the **PC-2 IP Address** of the LAN Side.



- ☒ a. 12.160.100.6 255.255.255.0
- ☐ b. 12.160.100.1 255.255.255.0
- ☐ c. 12.160.100.5 255.255.255.0
- ☐ d. 12.160.100.7 255.255.255.0

The correct answer is:
12.160.100.6 255.255.255.0

Question 11

Complete

Mark 0.00 out of 1.00

Which of the following types of connections can use full-duplex?

- ☒ A. Radio Frequency
- ☐ B. STP Cable
- ☐ C. Wakitoky
- ☐ D. Coaxial Cable

The correct answer is:
STP Cable

Question 12

Complete

Mark 0.00 out of 1.50

select the Cisco IOS Commame Mode for the below terminal prompt?

UIU-Cisco(config)#

- ☒ a. Privileged EXEC mode
- ☐ b. Global Configuration Mode
- ☐ c. User EXEC mode
- ☐ d. Other Configuration Mode

The correct answer is:
Global Configuration Mode

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 Data retention summary