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[Fall 233 CSE 324/CSE 3712 \(B\)](#)

[14 December - 20 December](#)

[Quiz-DHCP & ACL](#)

Started on Friday, 15 December 2023, 9:17 PM

State Finished

Completed on Friday, 15 December 2023, 9:26 PM

Time taken 9 mins 16 secs

Marks 5.00/5.00

Grade 10.00 out of 10.00 (100%)

Question 1

Complete

Mark 1.00 out of 1.00

What is the purpose of the DHCP server?

Select one:

- ☒ a.
to provide an IP configuration information to hosts
- ☐ b.
to translate URLs to IP addresses
- ☐ c.
to translate IPv4 addresses to MAC addresses
- ☐ d.
to provide storage for email

The correct answer is:
to provide an IP configuration information to hosts

Question 2

Complete

Mark 1.00 out of 1.00

On which options are standard access lists based?

Select one:

- ☐ a.
Source address and subnet mask
- ☒ b.
Source address and wildcard mask
- ☐ c.
Destination address and subnet mask
- ☐ d.
Destination address and wildcard mask

The correct answer is:

Source address and wildcard mask

Question 3

Complete

Mark 1.00 out of 1.00

What is the result of a network technician issuing the command `ip dhcp excluded-address 10.0.15.1 10.0.15.15` on a Cisco router?

Select one:

- ☒ a.
The Cisco router will exclude 15 IP addresses from being leased to DHCP clients.
- ☐ b.
The Cisco router will allow only the specified IP addresses to be leased to clients.
- ☐ c.
The Cisco router will exclude only the 10.0.15.1 and 10.0.15.15 IP addresses from being leased to DHCP clients.
- ☐ d.
The Cisco router will automatically create a DHCP pool using a /28 mask.

The correct answer is:

The Cisco router will exclude 15 IP addresses from being leased to DHCP clients.

Question 4

Complete

Mark 1.00 out of 1.00

Prevent all Private IP Addresses from accessing the Internet from all Client networks.

Refer to the exhibit, With A, B, C, and D of ACL 10 have been entered in the shown order and applied to ISP Router. The interfaces are Serial 0/0/0, Se0/0/1, Se0/1/0. Network Order will be followed as same Class type.

- A. ISP(config)#access-list 10 deny 172.16.0.0 0.15.255.255
- B. ISP(config)#access-list 10 permit any
- C. ISP(config)#access-list 10 deny 192.168.0.0 0.0.255.255
- D. ISP(config)#access-list 10 deny 10.0.0.0 0.255.255.255

How can the ACL statements be re-arranged so that the system works as intended?

Select one:

- ☒ a.
DACB
- ☐ b.
ABCD
- ☐ c.
BACD
- ☐ d.
CDAB

The correct answer is:
DACB

Question **5**
Complete
Mark 1.00 out of 1.00

A DHCP-enabled client PC has just booted. During which two steps will the client PC use broadcast messages when communicating with a DHCP server? (Choose two.)

Select one or more:

- ☒ a. DHCPDISCOVER
- ☒ b. DHCPREQUEST
- ☐ c. DHCPACK
- ☐ d. DHCPOFFER
- ☐ e. DHCPNAK

The correct answers are:
DHCPDISCOVER ,
DHCPREQUEST

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