

# Module 8-10 Quizzes

**Due** Jun 24 at 6pm

**Points** 10

**Questions** 10

**Available** Jun 24 at 4:50pm - Jun 24 at 6pm about 1 hour

**Time Limit** 20 Minutes

## Attempt History

	Attempt	Time	Score
LATEST	<a href="#">Attempt 1</a>	3 minutes	10 out of 10

⚠️ Correct answers are hidden.

Score for this quiz: **10** out of 10

Submitted Jun 24 at 5:01pm

This attempt took 3 minutes.

Question 1

1 / 1 pts

Which information is used by routers to forward a data packet toward its destination?

☐ destination data-link address

☐ source IP address

- ☒ destination IP address
- ☐ source data-link address

## Question 2

1 / 1 pts

What is a basic characteristic of the IP protocol?

- ☐ media dependent
- ☐ user data segmentation
- ☒ connectionless
- ☐ reliable end-to-end delivery

## Question 3

1 / 1 pts

What is one advantage that the IPv6 simplified header offers over IPv4?

- ☐ little requirement for processing checksums
- ☐ smaller-sized header
- ☒ efficient packet handling
- ☐ smaller-sized source and destination IP addresses

#### Question 4

1 / 1 pts

What statement describes the function of the Address Resolution Protocol?

- ☐ ARP is used to discover the MAC address of any host on a different network.
- ☒ ARP is used to discover the MAC address of any host on the local network.
- ☐ ARP is used to discover the IP address of any host on the local network.
- ☐ ARP is used to discover the IP address of any host on a different network.

#### Question 5

1 / 1 pts

Which two types of IPv6 messages are used in place of ARP for address resolution?

- ☐ anycast
- ☒ neighbor advertisement
- ☐ echo request
- ☐ broadcast
- ☒ neighbor solicitation
- ☐ echo reply

### Question 6

1 / 1 pts

What is the aim of an ARP spoofing attack?

- ☐ to fill switch MAC address tables with bogus addresses
- ☒ to associate IP addresses to the wrong MAC address

☐ to overwhelm network hosts with ARP requests

☐ to flood the network with ARP reply broadcasts

### Question 7

1 / 1 pts

Which two functions are primary functions of a router? (Choose two.)

☒ packet forwarding

☐ microsegmentation

☐ flow control

☐ domain name resolution

☒ path selection

### Question 8

1 / 1 pts

What will happen if the default gateway address is incorrectly configured on a host?

- ☐ The host will have to use ARP to determine the correct address of the default gateway.
- ☐ The switch will not forward packets initiated by the host.
- ☐ A ping from the host to 127.0.0.1 would not be successful.
- ☒ The host cannot communicate with hosts in other networks.
- ☐ The host cannot communicate with other hosts in the local network.

### Question 9

1 / 1 pts

Which term describes a field in the IPv4 packet header that contains a unicast, multicast, or broadcast address?

- ☐ header checksum
- ☐ protocol

☒ destination IPv4 address

☐ TTL

### Question 10

1 / 1 pts

Which term describes a field in the IPv4 packet header used to limit the lifetime of a packet?

☐ header checksum

☐ source IPv4 address

☒ TTL

☐ protocol

Quiz Score: **10** out of 10