

Module 11-13 Quizzes

Due Jun 25 at 6pm

Points 10

Questions 10

Available Jun 25 at 4:50pm - Jun 25 at 6pm about 1 hour

Time Limit 20 Minutes

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	3 minutes	8 out of 10

⚠️ Correct answers are hidden.

Score for this quiz: 8 out of 10

Submitted Jun 25 at 5:12pm

This attempt took 3 minutes.

Question 1

1 / 1 pts

What is the prefix length notation for the subnet mask 255.255.255.224?

☐ /26

☐ /28

☒ /27

☐ /25

Incorrect

Question 2

0 / 1 pts

How many valid host addresses are available on an IPv4 subnet that is configured with a /26 mask?

☐ 254

☒ 64

☐ 62

☐ 190

☐ 192

Question 3

1 / 1 pts

An administrator wants to create four subnetworks from the network address 192.168.1.0/24. What is the network address and subnet mask of the second useable subnet?

- ☐ subnetwork 192.168.1.64 subnet mask 255.255.255.240
- ☐ subnetwork 192.168.1.32 subnet mask 255.255.255.240
- ☐ subnetwork 192.168.1.128 subnet mask 255.255.255.192
- ☐ subnetwork 192.168.1.8 subnet mask 255.255.255.224
- ☒ subnetwork 192.168.1.64 subnet mask 255.255.255.192

Question 4

1 / 1 pts

How many host addresses are available on the network 172.16.128.0 with a subnet mask of 255.255.252.0?

- ☒ 1022
- ☐ 512

☐ 1024

☐ 2046

☐ 2048

☐ 510

Question 5

1 / 1 pts

Which address is a valid IPv6 link-local unicast address?

☒ FE80::1:4545:6578:ABC1

☐ FE0A::100:7788:998F

☐ FC90:5678:4251:FFFF

☐ FD80::1:1234

☐ FEC8:1::FFFF

Incorrect

Question 6

0 / 1 pts

Which of these addresses is the shortest abbreviation for the IP address:
3FFE:1044:0000:0000:00AB:0000:0057?

- ☐ 3FFE:1044:0000:0000:00AB::57
- ☐ 3FFE:1044:0:0:00AB::0057
- ☐ 3FFE:1044:0:0:AB::57
- ☐ 3FFE:1044:0000:0000:00AB::0057
- ☐ 3FFE:1044::00AB::0057
- ☒ 3FFE:1044::AB::57

Question 7

1 / 1 pts

A network administrator has received the IPv6 prefix 2001:DB8::/48 for subnetting. Assuming the administrator does not subnet into the interface ID portion of the address space, how many subnets can the administrator create from the /48 prefix?

☒ 65536

☐ 16

☐ 4096

☐ 256

Question 8

1 / 1 pts

What type of IPv6 address is FE80::1?

☒ link-local

☐ loopback

☐ multicast

☐ global unicast

Question 9

1 / 1 pts

What is used in the EUI-64 process to create an IPv6 interface ID on an IPv6 enabled interface?

- ☐ an IPv6 address that is provided by a DHCPv6 server
- ☒ the MAC address of the IPv6 enabled interface
- ☐ an IPv4 address that is configured on the interface
- ☐ a randomly generated 64-bit hexadecimal address

Question 10

1 / 1 pts

What is the prefix for the host address 2001:DB8:BC15:A:12AB::1/64?

- ☒ 2001:DB8:BC15:A
- ☐ 2001:DB8:BC15:A:12
- ☐ 2001:DB8:BC15
- ☐ 2001:DB8:BC15:A:1

Quiz Score: **8** out of 10