Check Test8 IPv4 and Network Segmentation

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* Indicates required question

Student number & Your name *

Choose   ▼

1. Which statement describes one purpose of the subnet mask setting for a   *   1 point
host?

○ It is used to describe the type of the subnet.

○ It is used to identify the default gateway.

○ It is used to determine to which network the host is connected.

○ It is used to determine the maximum number of bits within one packet that can be
placed on a particular network.

2. What is one reason for subnetting an IP network? *   1 point

○ to reduce the scope of broadcast flooding

○ to increase the number of available host addresses on the network

○ to remove the need for network services that rely on broadcasts, such as DHCP

○ to ensure that all devices can communicate with each other without requiring a
router

Pre-fill responses, then click "Get link"

3. A message is sent to all hosts on a remote network. Which type of message is it? * 1 point

○ limited broadcast

○ multicast

○ directed broadcast

○ unicast

4. A user is unable to access the company server from a computer. On issuing the ipconfig command, the user finds that the IP address of the computer is displayed as 169.254.0.2. What type of address is this? * 1 point

○ private

○ link-local

○ loopback

○ experimental

5. Which three IP addresses are private ? (Choose three.) *   1 point

☐ 10.1.1.1

☐ 172.32.5.2

☐ 192.167.10.10

☐ 172.16.4.4

☐ 192.168.5.5

☐ 224.6.6.6

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6. Match each description with an appropriate IP address. *   4 points

	a link-local address	a public address	an experimental address	a loopback address
169.254.1.5	○	○	○	○
198.133.219.2	○	○	○	○
240.2.6.255	○	○	○	○
127.0.0.1	○	○	○	○

7. Which network device can serve as a boundary to divide a Layer 2 broadcast domain?   * 1 point

○ router

○ Ethernet bridge

○ Ethernet hub

○ access point

8. What is the role of IANA? *   1 point

○ maintaining standards related to electrical wiring and connectors

○ documenting developments for new protocols and updating existing protocols

○ managing the allocation of IP addresses and domain names

○ promoting the development and evolution of the Internet around the world

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9. Which address prefix range is reserved for IPv4 multicast?   1 point

○ 240.0.0.0 - 254.255.255.255

○ 224.0.0.0 - 239.255.255.255

○ 169.254.0.0 - 169.254.255.255

○ 127.0.0.0 - 127.255.255.255

10. A high school in New York (school A) is using videoconferencing   * 1 point
technology to establish student interactions with another high school
(school B) in Russia. The videoconferencing is conducted between two end
devices through the internet. The network administrator of school A
configures the end device with the IP address 209.165.201.10. The
administrator sends a request for the IP address for the end device in
school B and the response is 192.168.25.10. Neither school is using a VPN.
The administrator knows immediately that this IP will not work. Why?

○ This is a loopback address.

○ This is a link-local address.

○ This is a private IP address.

○ There is an IP address conflict.

11. A host is transmitting a broadcast. Which host or hosts will receive it? *   1 point

○ all hosts in the same network

○ a specially defined group of hosts

○ the closest neighbor on the same network

○ all hosts on the internet

Pre-fill responses, then click "Get link"

Your understanding of today's class *

	1	2	3	4	5	
I didn't understand the class at all	◯	◯	◯	◯	◯	I understand the class very well

What you did not understand in today's class? (Option)

Your answer

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