

## Exam Report: 5.7.3 Practice Questions

Date: 10/15/2019 12:06:05 pm  
Time Spent: 5:20

Candidate: Garsteck, Matthew  
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**Overall Performance**

Your Score: 67%



Passing Score: 80%

View results by: ☐ Objective Analysis ☒ Individual Responses**Individual Responses****▼ Question 1:** Correct

Which type of address is the IP address 232.111.255.250?

- ☒ Multicast
- ☐ Unicast
- ☐ Broadcast
- ☐ Private

**Explanation**

The address 232.111.255.250 is a multicast address. A multicast address is an address that identifies a group of computers. Members of the group share the same multicast address. Multicast addresses are in the range of 224.0.0.0 to 239.255.255.255.

A unicast address is an address that identifies a single host. A broadcast address is an address that is sent to all hosts. Broadcast addresses are the last possible address on a subnet (typically ending in 255).

The private IPv4 address ranges are:

- 10.0.0.1 to 10.255.255.254
- 172.16.0.1 to 172.31.255.254
- 192.168.0.1 to 192.168.255.254

**References**

LabSim for Network Pro, Section 5.7.  
[netpro18v5\_all\_questions\_en.exm NP09\_1-4 #6]

**▼ Question 2:** Incorrect

Which of the following address types is shared by multiple hosts and used to form groups of computers that receive the same data stream?

- ☐ Simplex
- ☐ Half-duplex
- ☒ Multicast
- ☐ Broadcast
- ☐ Unicast

**Explanation**

A multicast address is an address that identifies a group of computers. Members of the group

share the same multicast address.

A unicast address is an address that identifies a single host. A broadcast address is an address that is sent to all hosts. Broadcast traffic is typically only forwarded within (but not between) a subnet.

Simplex communication uses a single channel for both sending and receiving. Half-duplex uses a separate channel for sending and receiving, but the channels are shared by multiple devices and can only be used by a single device at a time.

## References

LabSim for Network Pro, Section 5.7.

[netpro18v5\_all\_questions\_en.exm NP09\_1-4 #4]

### ▼ Question 3: Correct

Which type of address is used in a packet to address the packet to a single host?

☐ Full-duplex

➡ ☒ Unicast

☐ Simplex

☐ Multicast

☐ Broadcast

## Explanation

A unicast address is an address that identifies a single host.

A broadcast address is an address that is sent to all hosts. Broadcast traffic is typically only forwarded within (but not between) a subnet. A multicast address is an address that identifies a group of computers. Members of the group share the same multicast address.

Simplex communication uses a single channel for both sending and receiving. Full-duplex has a dedicated send and receive channel between any two hosts.

## References

LabSim for Network Pro, Section 5.7.

[netpro18v5\_all\_questions\_en.exm NP09\_1-4 #2]

### ▼ Question 4: Correct

Which address type is used for a video conference call consisting of multiple participants?

☐ Anycast

☐ Loopback

☐ Unicast

➡ ☒ Multicast

## Explanation

Unified communication (UC) systems typically use unicast network transmissions. An example of a unicast transmission is a one-on-one VoIP phone call. UC systems also support multicast transmissions. Examples of a multicast transmission are conference phone calls or video conference calls consisting of multiple users.

## References

LabSim for Network Pro, Section 5.7.

[netpro18v5\_all\_questions\_en.exm \*NP15\_MULTICAST\_01]

### ▼ Question 5: Correct

Which protocol does an IP host use to inform a router that it wants to receive specific multicast frames?

- ☐ ICMP
- ☐ SNMP
- ☐ MGP
- ☐ IP

➡ ☒ IGMP

## Explanation

IP hosts use the IGMP, or internet group management protocol, to inform multicast-enabled routers that they want to receive specific multicast frames.

## References

LabSim for Network Pro, Section 5.7.

[netpro18v5\_all\_questions\_en.exm NP05\_2-10 #48]

### ▼ Question 6: Incorrect

Which type of address is the IP address 198.162.12.254/24?

☐ Multicast

➡ ☐ Unicast

☒ ~~Broadcast~~

☐ Private

## Explanation

The address 198.162.12.254 is a unicast address that identifies a single host on the 198.162.12.0 subnet.

198.162.12.255 is the broadcast address for the subnet. Multicast addresses are in the range of 224.0.0.0 to 239.255.255.255.

The private IPv4 address ranges are:

- 10.0.0.1 to 10.255.255.254
- 172.16.0.1 to 172.31.255.254
- 192.168.0.1 to 192.168.255.254

## References

LabSim for Network Pro, Section 5.7.

[netpro18v5\_all\_questions\_en.exm NP09\_1-4 #5]