

## 98-366<sup>Q&As</sup>

Networking Fundamentals

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## QUESTION 1

To protect a network when it is connected to the Internet, you should use a:

- A. Bridge
- B. Firewall
- C. Switch
- D. Router

Correct Answer: B

A firewall is software or hardware that checks information coming from the Internet or a network, and then either blocks it or allows it to pass through to your computer, depending on your firewall settings.

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## QUESTION 2

At what layer in the OSI model are hardware addresses referenced?

- A. Network
- B. Application
- C. Data link
- D. Physical

Correct Answer: C

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## QUESTION 3

Which of these addresses is a multicast address?

- A. 127.0.0.1
- B. 169.254.0.1
- C. 192.168.0.1
- D. 224.0.0.1

Correct Answer: D

The full range of multicast addresses is from 224.0.0.0 to 239.255.255.255.

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## QUESTION 4

Match each set of characteristics to the corresponding 802.11 standard.

To answer, drag the appropriate set of characteristics from the column on the left to its 802.11 standard on the right. Each set may be used once, more than once, or not at all. Each correct match is worth one point.

Select and Place:

Sets	Answer Area
Frequency range: 2.4-2.485 Ghz Data rate: 11 Mbps	802.11a Set
Frequency range: 2.4-2.485 Ghz Data rate: 54 Mbps	802.11b Set
Frequency range: 2.4-2.485 Ghz or 5.1-5.8 Ghz Data rate: 65-600 Mbps	802.11g Set
Frequency range: 5.1-5.8 Ghz Data rate: 54 Mbps	802.11n Set

Correct Answer:

Sets	Answer Area
	<p><b>802.11a</b> Frequency range: 5.1-5.8 Ghz Data rate: 54 Mbps</p>
	<p><b>802.11b</b> Frequency range: 2.4-2.485 Ghz Data rate: 11 Mbps</p>
	<p><b>802.11g</b> Frequency range: 2.4-2.485 Ghz Data rate: 54 Mbps</p>
	<p><b>802.11n</b> Frequency range: 2.4-2.485 Ghz or 5.1-5.8 Ghz Data rate: 65-600 Mbps</p>

## QUESTION 5

What are three advantages of VLANs? (Choose three.)

- A. They can logically address packets by using IP.
- B. They require a router to connect to VLANs on another switch.
- C. They compartmentalize a network and isolate traffic.
- D. They are efficient because a single switch can implement only a single VLAN.
- E. They act as though they are on the same LAN regardless of physical location.

Correct Answer: BCE

VLANs provide the following advantages:

\*

(E) VLANs enable logical grouping of end-stations that are physically dispersed on a network. ...

\*

VLANs reduce the need to have routers deployed on a network to contain broadcast traffic. ...

\*

(C) Confinement of broadcast domains on a network significantly reduces traffic.

By confining the broadcast domains, end-stations on a VLAN are prevented from listening to or receiving broadcasts not intended for them.

\*

(B) If a router is not connected between the VLANs, the end-stations of a VLAN cannot communicate with the end-stations of the other VLANs.

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