

98-366^{Q&As}

Networking Fundamentals

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QUESTION 1

For each of the following statements, select Yes if the statement is true. Otherwise, select No. Each correct selection is worth one point.

Hot Area:

Answer Area

	Yes	No
Quality of Service (QoS) allows you to define the priority traffic on the network.	<input type="radio"/>	<input type="radio"/>
Quality of Service (QoS) allows you to control bandwidth.	<input type="radio"/>	<input type="radio"/>
Quality of Service (QoS) allows you to assign protocols dynamically.	<input type="radio"/>	<input type="radio"/>

Correct Answer:

Answer Area

	Yes	No
Quality of Service (QoS) allows you to define the priority traffic on the network.	<input checked="" type="radio"/>	<input type="radio"/>
Quality of Service (QoS) allows you to control bandwidth.	<input checked="" type="radio"/>	<input type="radio"/>
Quality of Service (QoS) allows you to assign protocols dynamically.	<input type="radio"/>	<input checked="" type="radio"/>

*

Yes.

QoS traffic control: Regulate data flows by classifying, scheduling, and marking packets based on priority and by shaping traffic (smoothing bursts of traffic by limiting the rate of flow). Traffic control mechanisms segregate traffic into service

classes and control delivery to the network. The service class assigned to a traffic flow determines the QoS treatment the traffic receives.

*

Yes.

The goal of QoS is to provide preferential delivery service for the applications that need it by ensuring sufficient bandwidth, controlling latency and jitter, and reducing data loss.

*

No

QUESTION 2

In which physical network topology is each computer connected to a central point?

- A. Star
- B. Mesh
- C. Ring
- D. Bus

Correct Answer: A

In local area networks with a star topology, each network host is connected to a central hub with a point-to-point connection.

QUESTION 3

This question requires that you evaluate the underlined text to determine if it is correct.

"WEP" wireless encryption is the most susceptible to interception and decryption.

Select the correct answer if the underlined text does not make the statement correct. Select "\\No change is needed\\" if the underlined text makes the statement correct

- A. WPA-AES
- B. WPA2
- C. WPA-PSK
- D. No change is needed

Correct Answer: D

Several weaknesses have been discovered using WEP encryption that allows an attacker using readily available software to crack the key within minutes.

QUESTION 4

Match each address type to its appropriate range.

To answer, drag the appropriate address type from the column on the left to its range on the right.

Each address type may be used once, more than once, or not at all. Each correct match is worth one point.

Select and Place:

Address Types	Answer Area
Loopback addresses	127.0.0.0 – 127.255.255.255 Address Type
Multicast addresses	192.168.0.0 – 192.168.255.255 Address Type
Private network addresses	224.0.0.0 – 239.255.255.255 Address Type

Correct Answer:

Address Types	Answer Area
	127.0.0.0 – 127.255.255.255 Loopback addresses
	192.168.0.0 – 192.168.255.255 Private network addresses
	224.0.0.0 – 239.255.255.255 Multicast addresses

QUESTION 5

If a router is installed so that it separates a DHCP server from its clients, the clients will:

- A. Immediately lose connectivity to all segments.
- B. Be unable to obtain their leases from the server.
- C. Immediately lose connectivity to the local segment.
- D. Receive an immediate renewal of their lease.

Correct Answer: B

QUESTION 6

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.

QUESTION 7

What are two characteristics of fiber optic cable? (Choose two.)

- A. Conducts electricity

- B. Requires metal conduit
- C. Supports splicing
- D. Requires a polish for end connectors

Correct Answer: CD

C: A mechanical splice is a junction of two or more optical fibers that are aligned and held in place by a self-contained assembly (usually the size of a large carpenter's nail).[1] The fibers are not permanently joined, just precisely held together so that light can pass from one to another.

D: Modern connectors typically use a "physical contact" polish on the fiber and ferrule end. This is a slightly convex surface with the apex of the curve accurately centered on the fiber, so that when the connectors are mated the fiber cores come into direct contact with one another.

Note: Optical fiber connectors are used to join optical fibers where a connect/disconnect capability is required. Due to the polishing and tuning procedures that may be incorporated into optical connector manufacturing, connectors are generally assembled onto optical fiber in a supplier's manufacturing facility.

QUESTION 8

What type of DNS resource record maps an IP address to a fully qualified domain name (FQDN)?

- A. CNAME
- B. PTR
- C. AAAA
- D. A

Correct Answer: C

QUESTION 9

Which of the following determines the media access method that is used in a network?

- A. Number of hosts connected to the network
- B. Number of domain servers on the segment
- C. Maximum speed of the media
- D. Topology and protocols

Correct Answer: D

QUESTION 10

What type of record does DNS use to find a mail service?

- A. Service (SRV) DNS record
- B. Canonical (CNAME) DNS record
- C. Mail Exchanger (MX) DNS record
- D. Host (A) DNS record

Correct Answer: C

A mail exchanger record (MX record) is a type of resource record in the Domain Name System that specifies a mail server responsible for accepting email messages on behalf of a recipient's domain, and a preference value used to prioritize mail delivery if multiple mail servers are available. The set of MX records of a domain name specifies how email should be routed with the Simple Mail Transfer Protocol (SMTP).

QUESTION 11

A characteristic of the mesh topology is that it:

- A. Uses a central hub.
- B. Cannot use wired connections.
- C. Uses redundant paths.
- D. Cannot use wireless connections.

Correct Answer: C

Mesh network topology is one of the key network architectures in which devices are connected with many redundant interconnections between network nodes such as routers and switches. In a mesh topology, if any cable or node fails, there are many other ways for two nodes to communicate.

QUESTION 12

A node within a local area network (LAN) must have which two of the following? (Choose two.)

- A. Username and password
- B. Share name
- C. NIC
- D. IP address
- E. Table of all network nodes

Correct Answer: CD

A node must be able to access the LAN through a network interface. A node must also have an IP address.

QUESTION 13

Which two features of a Windows Server 2008 R2 server should you install to use that server as a software router? (Choose two.)

- A. Network Policy and Access Services
- B. Routing and Remote Access Services
- C. Remote Administration
- D. DirectAccess

Correct Answer: AB

To install the Routing and Remote Access service

1.

In the Server Manager main window, under Roles Summary, click Add roles.

-- OR -- In the Initial Configuration Tasks window, under Customize This Server, click Add roles.

2.

In the Add Roles Wizard, click Next.

3.

In the list of server roles, select Network Policy and Access Services. Click Next twice.

4.

In the list of role services, select Routing and Remote Access Services to select all of the role services. You can also select individual server roles.

5.

Proceed through the steps in the Add Roles Wizard to complete the installation. Reference: Install and Enable the Routing and Remote Access Service

QUESTION 14

This question requires that you evaluate the underlined text to determine if it is correct.

All devices on your company network connect to the same network switch. This is an example of a physical star topology.

Review the underlined text. If it makes the statement correct, select "No change is needed." If the statement is incorrect, select the answer choice that makes the statement correct.

- A. ring
- B. bus

C. mesh

D. No change is needed

Correct Answer: D

QUESTION 15

This question requires that you evaluate the underlined text to determine if it is correct.

In a wireless network that requires an SSL certificate, "WEP" handles the SSL certificate.

Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

A. 802.1X

B. WPA2-PSK

C. WPA-PSK

D. No change is needed

Correct Answer: A

802.1x

This deployment scenario requires server certificates for each NPS server that performs 802.1X authentication.

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