Demo Questions

Microsoft 98-366 Exam

Networking Fundamentals

Question #1 *Topic 1*

One advantage of dynamic routing is that it:

- A. Automatically maintains routing tables.
- B. Limits traffic derived from routing protocols.
- C. Reduces broadcast traffic.
- D. Automatically enables DHCP.

Correct Answer: *A*
Dynamic Routing, also called adaptive routing, describes the capability of a system, through which routes are characterized by their destination, to alter the path that the route takes through the system in response to a change in conditions. The adaptation is intended to allow as many routes as possible to remain valid (that is, have destinations that can be reached) in response to the change.

Question #2 *Topic 1*

Which of the following represents a Media Access Control (MAC) address?

- A. GV:ZC:KK:DK:FZ:CA
- B. 255.255.255.0
- C. 05:35:AB:6E:Al:25
- D. 127.0.0.1

Correct Answer: *C*
The standard (IEEE 802) format for printing MAC-48 addresses in human-friendly form is six groups of two hexadecimal digits, separated by hyphens (-) or colons
(:), in transmission order (e.g. 01-23-45-67-89-ab or 01:23:45:67:89:ab).

Question #3*Topic 1*

Connecting to a private network address from a public network requires:

- A. Network address translation (NAT).
- B. Dynamic Host Configuration Protocol (DHCP).
- C. Network Access Protection (NAP).
- D. Dynamic domain name system (DDNS).

Correct Answer: *A*
The majority of NATs map multiple private hosts to one publicly exposed IP address. In a typical configuration, a local network uses one of the designated
"private" IP address subnets (RFC 1918). A router on that network has a private address in that address space. The router is also connected to the Internet with a
"public" address assigned by an Internet service provider.

Question #4*Topic 1*

A network device that associates a Media Access Control (MAC) address with a port is a:

- A. DSL modem
- B. Hub
- C. Router
- D. Switch

Correct Answer: *D*
A switch begins learning the local MAC addresses as soon as it is connected to other devices or to a network. This learning capability makes switches easy to use on a network.
The switch learning process works like this:
1.As a PC or other networked device sends a frame to another device through the switch, the switch captures the source MAC address of the frame and the interface that received it.
2.The switch confirms or adds the MAC address and the port to the lookup table.

Question #5*Topic 1*

A Layer 2 device that connects multiple computers within a network is a:

- A. Repeater

- B. Switch
- C. Router
- D. Packet

Correct Answer: *B*
Layer 2 switching uses the media access control address (MAC address) from the host's network interface cards (NICs) to decide where to forward frames.

Question #6*Topic 1*

A cable that meets the l000BaseT standard has a maximum length of:

- A. 100 m
- B. 250 m
- C. 500 m
- D. 1,000 m

Correct Answer: *A*
When used for 10/100/1000BASE-T, the maximum allowed length of a Cat 6 cable is 100 meters or 328 feet.

Question #7*Topic 1*

A router's static route is set by the:

- A. Adjacent network
- B. Next upstream router
- C. Network administrator
- D. Routing protocol

Correct Answer: *C*
Static routing is a form of routing that occurs when a router uses a manually-configured routing entry, rather than information from a dynamic routing protocol to forward traffic.

Question #8*Topic 1*

Which setting is used to determine the Domain Name System (DNS) settings on a client computer?

- A. TELNET
- B. NSLOOKUP
- C. PATHPING
- D. NETSTAT

Correct Answer: *B*
nslookup is a network administration command-line tool available for many computer operating systems for querying the Domain Name System (DNS) to obtain domain name or IP address mapping or for any other specific DNS record.

Question #9*Topic 1*

The default subnet mask for a Class B network is:

- A. 0.0.0.255
- B. 0.0.255.255
- C. 255.0.0.0
- D. 255.255.0.0

Correct Answer: *D*
Class A default subnet mask is 255.0.0.0.
Class B default subnet mask is 255.255.0.0.
Class C default subnet mask is 255.255.255.0.

Question #10*Topic 1*

The default port used for SMTP is:

- A. 23
- B. 25
- C. 80
- D. 8080

Correct Answer: *B*
SMTP by default uses TCP port 25.