

Cisco

Exam 640-822

Interconnecting Cisco Networking Devices Part 1

Version: 14.1

[Total Questions: 348]

Topic 1, Multiple Choice Questions Set A**Question No : 1 - (Topic 1)**

Which OSI layer header contains the address of a destination host that is on another network?

- A. application
- B. session
- C. transport
- D. network
- E. data link
- F. physical

Answer: D

Question No : 2 - (Topic 1)

How does TCP differ from UDP? (Choose two.)

- A. TCP provides best effort delivery.
- B. TCP provides synchronized communication.
- C. TCP segments are essentially datagrams.
- D. TCP provides sequence numbering of packets.
- E. TCP uses broadcast delivery.

Answer: B,D

Question No : 3 - (Topic 1)

Which protocol uses a connection-oriented service to deliver files between end systems?

- A. TFTP
- B. DNS
- C. FTP
- D. SNMP
- E. RIP

Answer: C

Question No : 4 - (Topic 1)

Refer to the exhibit.

```
R1#sh int ser0/1
Serial0/1 is up, line protocol is down
  Hardware is GT96K Serial
  Internet address is 192.1.1.1/30
  MTU 1500 bytes, BW 1544 Kbit/sec, DLY 20000 usec,
    reliability 255/255, txload 1/255, rxload 1/255
  Encapsulation HDLC, loopback not set
  Keepalive set (10 sec)
```

```
R2#sh int serial 0/1
Serial0/1 is up, line protocol is down
  Hardware is GT96K Serial
  Internet address is 192.1.1.2/30
  MTU 1500 bytes, BW 1544 Kbit/sec, DLY 20000 usec,
    reliability 255/255, txload 1/255, rxload 1/255
  Encapsulation HDLC, loopback not set
  Keepalive set (10 sec)
```

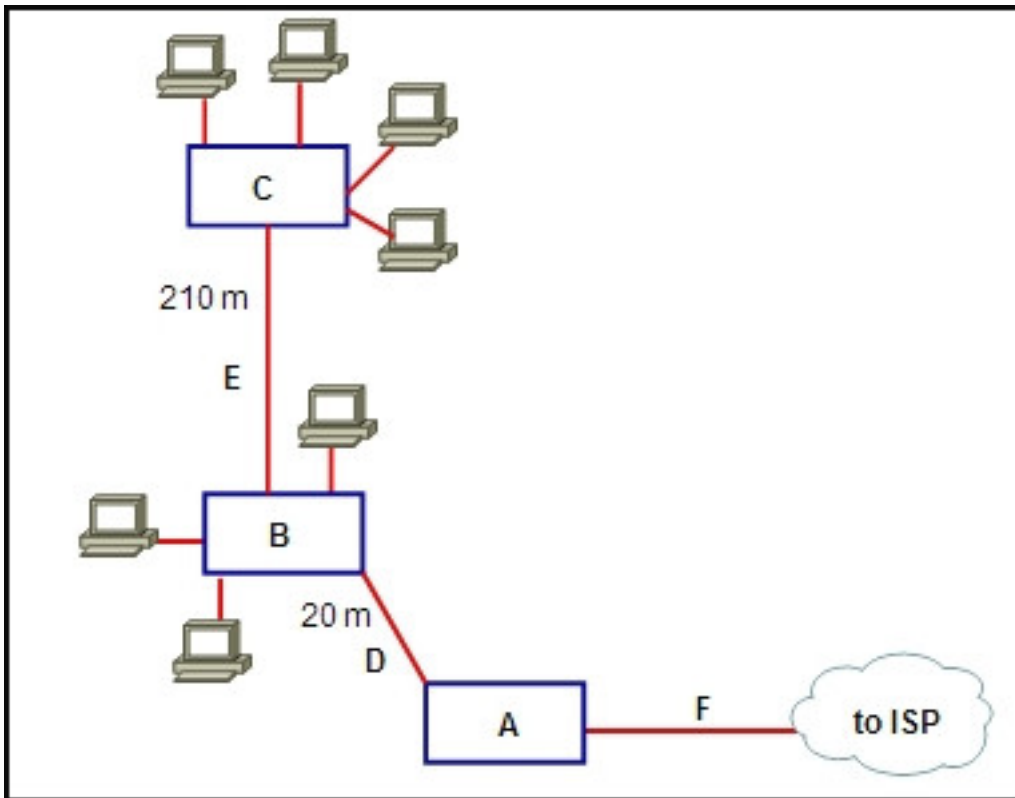
A network technician is unable to ping from R1 to R2. What will help correct the problem?

- A. Ensure that the serial cable is correctly plugged in to the interfaces.
- B. Apply the clock rate 56000 configuration command to the serial0/1 interface of R1.
- C. Configure the serial0/1 interfaces on R1 and R2 with the no shutdown command.
- D. Change the address of the serial0/1 interface of R1 to 192.1.1.4.
- E. Change the subnet masks of both interfaces to 255.255.255.240.

Answer: A

Question No : 5 - (Topic 1)

Refer to the exhibit.



Which types of devices and connections are needed to complete the LAN for optimal performance and cost efficiency?

A.

- A) router
- B) hub
- C) switch
- D) UTP cable
- E) fiber connection
- F) fiber connection

B.

- A) switch
- B) switch
- C) switch
- D) UTP cable
- E) fiber connection
- F) T-1 connection

C.

- A) router
- B) switch
- C) router
- D) fiber connection
- E) Cat5 cable
- F) T-1 connection

D.

- A) router
- B) switch
- C) switch
- D) UTP cable
- E) fiber connection
- F) T-1 connection

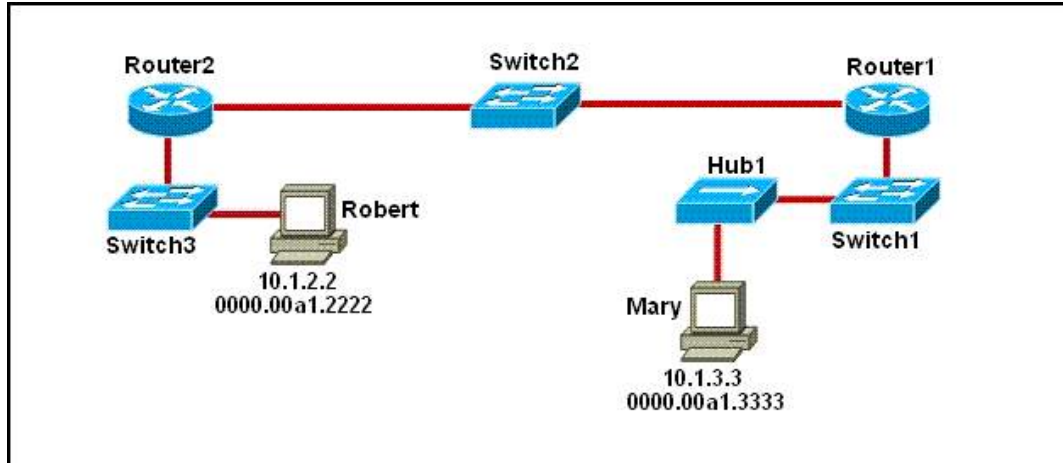
E.

- A) router
- B) hub
- C) switch
- D) fiber cable
- E) cat5 cable
- F) T-1 connection

Answer: D

Question No : 6 - (Topic 1)

Refer to the exhibit.



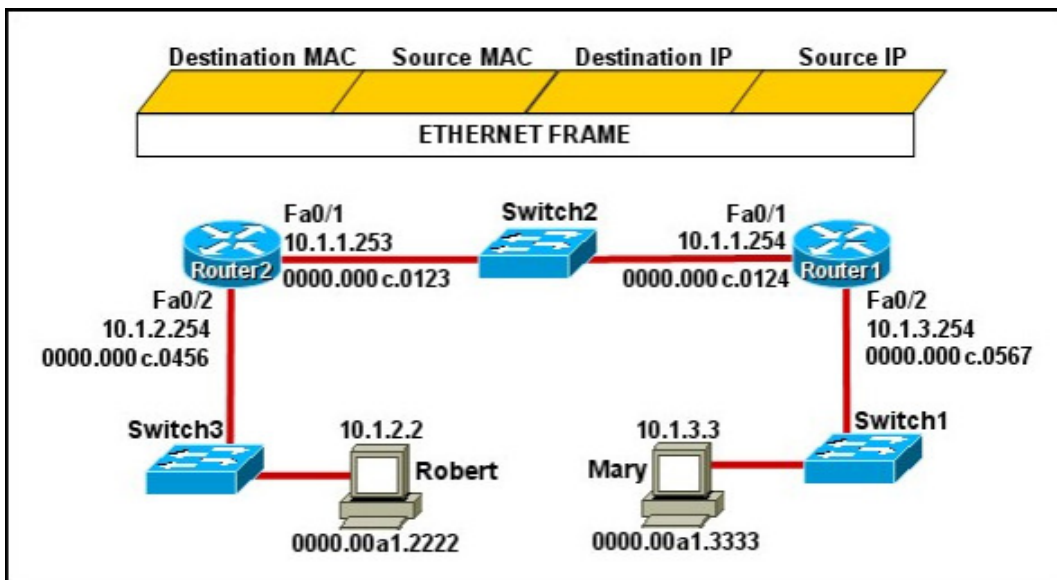
As packets travel from Mary to Robert, which three devices will use the destination MAC address of the packet to determine a forwarding path? (Choose three.)

- A. Hub1
- B. Switch1
- C. Router1
- D. Switch2
- E. Router2
- F. Switch3

Answer: B,D,F

Question No : 7 - (Topic 1)

Refer to the exhibit.



Mary is sending an instant message to Robert. The message will be broken into a series of packets that will traverse all network devices. What addresses will populate these packets as they are forwarded from Router1 to Router2?

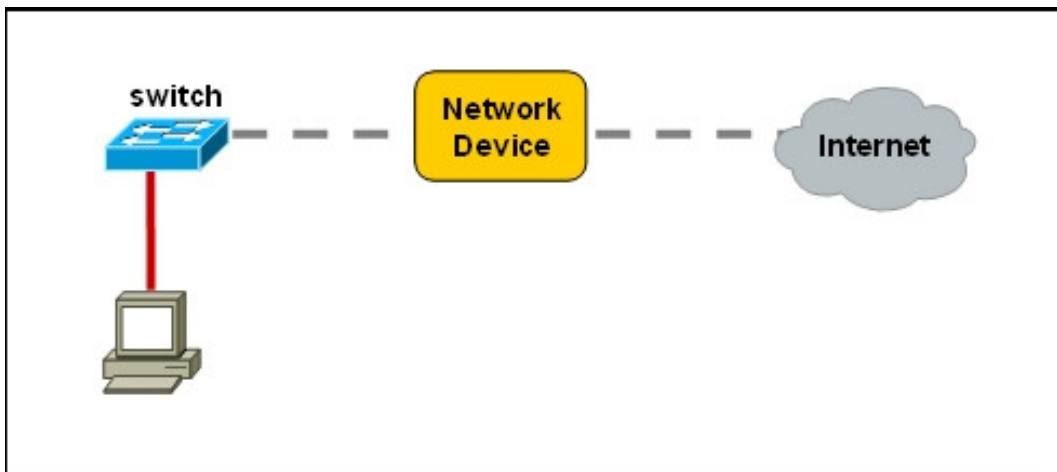
A.	<table border="1"> <thead> <tr> <th>Destination MAC</th> <th>Source MAC</th> <th>Destination IP</th> <th>Source IP</th> </tr> </thead> <tbody> <tr> <td>0000.00a1.2222</td> <td>0000.00a1.3333</td> <td>10.1.2.2</td> <td>10.1.3.3</td> </tr> </tbody> </table>	Destination MAC	Source MAC	Destination IP	Source IP	0000.00a1.2222	0000.00a1.3333	10.1.2.2	10.1.3.3
Destination MAC	Source MAC	Destination IP	Source IP						
0000.00a1.2222	0000.00a1.3333	10.1.2.2	10.1.3.3						
B.	<table border="1"> <thead> <tr> <th>Destination MAC</th> <th>Source MAC</th> <th>Destination IP</th> <th>Source IP</th> </tr> </thead> <tbody> <tr> <td>0000.000c.0123</td> <td>0000.000c.0124</td> <td>10.1.2.2</td> <td>10.1.3.3</td> </tr> </tbody> </table>	Destination MAC	Source MAC	Destination IP	Source IP	0000.000c.0123	0000.000c.0124	10.1.2.2	10.1.3.3
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0000.000c.0456	0000.000c.0567	10.1.2.2	10.1.3.3						

- A. Exhibit A
- B. Exhibit B
- C. Exhibit C
- D. Exhibit D
- E. Exhibit E

Answer: B

Question No : 8 - (Topic 1)

Refer to the exhibit.



A network device needs to be installed in the place of the icon labeled Network Device to accommodate a leased line attachment to the Internet. Which network device and interface configuration meets the minimum requirements for this installation?

- A. a router with two Ethernet interfaces
- B. a switch with two Ethernet interfaces
- C. a router with one Ethernet and one serial interface
- D. a switch with one Ethernet and one serial interface
- E. a router with one Ethernet and one modem interface

Answer: C

Question No : 9 - (Topic 1)

What technology should be used when a router that connects to a LAN has only one WAN interface, but multiple virtual circuits are needed?

- A. ATM
- B. DSL
- C. ADSL
- D. Cable
- E. Frame Relay

Answer: E

Question No : 10 - (Topic 1)

The network manager states, "The only UDP port allowed on this router interface is 53."

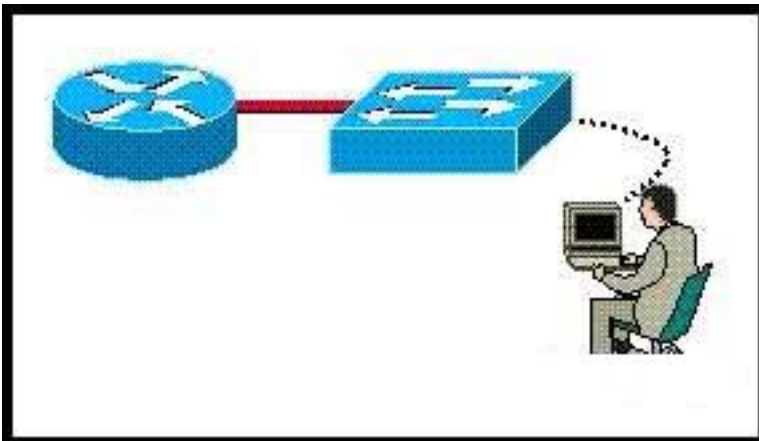
From the statement, what can be concluded about traffic on the router interface?

- A. DNS traffic is allowed.
- B. RIP traffic is allowed.
- C. SMTP traffic is allowed.
- D. Telnet traffic is allowed.

Answer: A

Question No : 11 - (Topic 1)

SW-C has just been added to the network shown in the graphic.



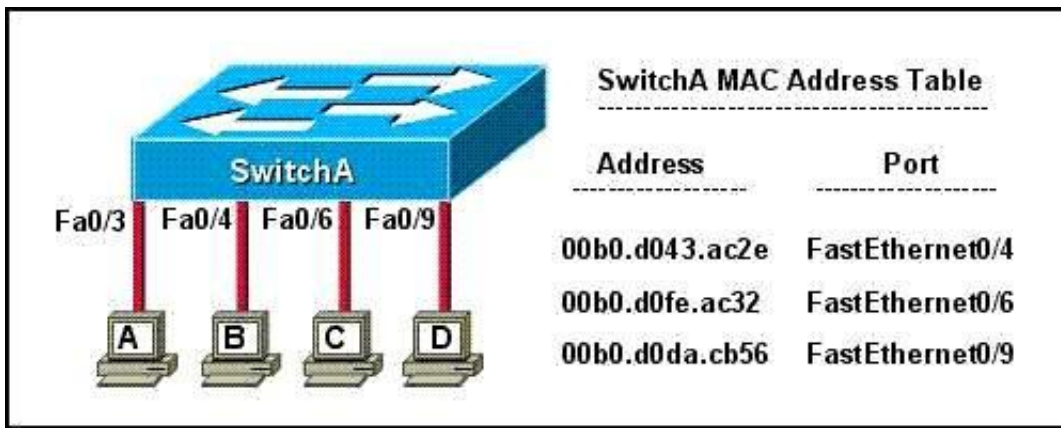
What is the purpose of assigning a default gateway to this switch?

- A. allows connectivity to Router B from the switch prompt
- B. allows console port connectivity to the switch from Host A
- C. allows connectivity to remote network devices from Host B
- D. allows the switch to pass traffic between Host A and Host B

Answer: A

Question No : 12 - (Topic 1)

Refer to the topology and MAC address table shown in the exhibit.



Host A sends a data frame to host D. What will the switch do when it receives the frame from host A?

- A. The switch will add the source address and port to the MAC address table and forward the frame to host D.
- B. The switch will discard the frame and send an error message back to host A.
- C. The switch will flood the frame out of all ports except for port Fa0/3.
- D. The switch will add the destination address of the frame to the MAC address table and forward the frame to host D.

Answer: A

Question No : 13 - (Topic 1)

Refer to the exhibits labeled A through E.