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Vendor:Cisco

Exam Code:100-105

Exam Name:Interconnecting Cisco Networking
Devices Part 1 (ICND1)

Version:Demo

QUESTION 1

Instructions

For both the Router and the Switch the simulated console mode needs to start and remain in enabled mode.

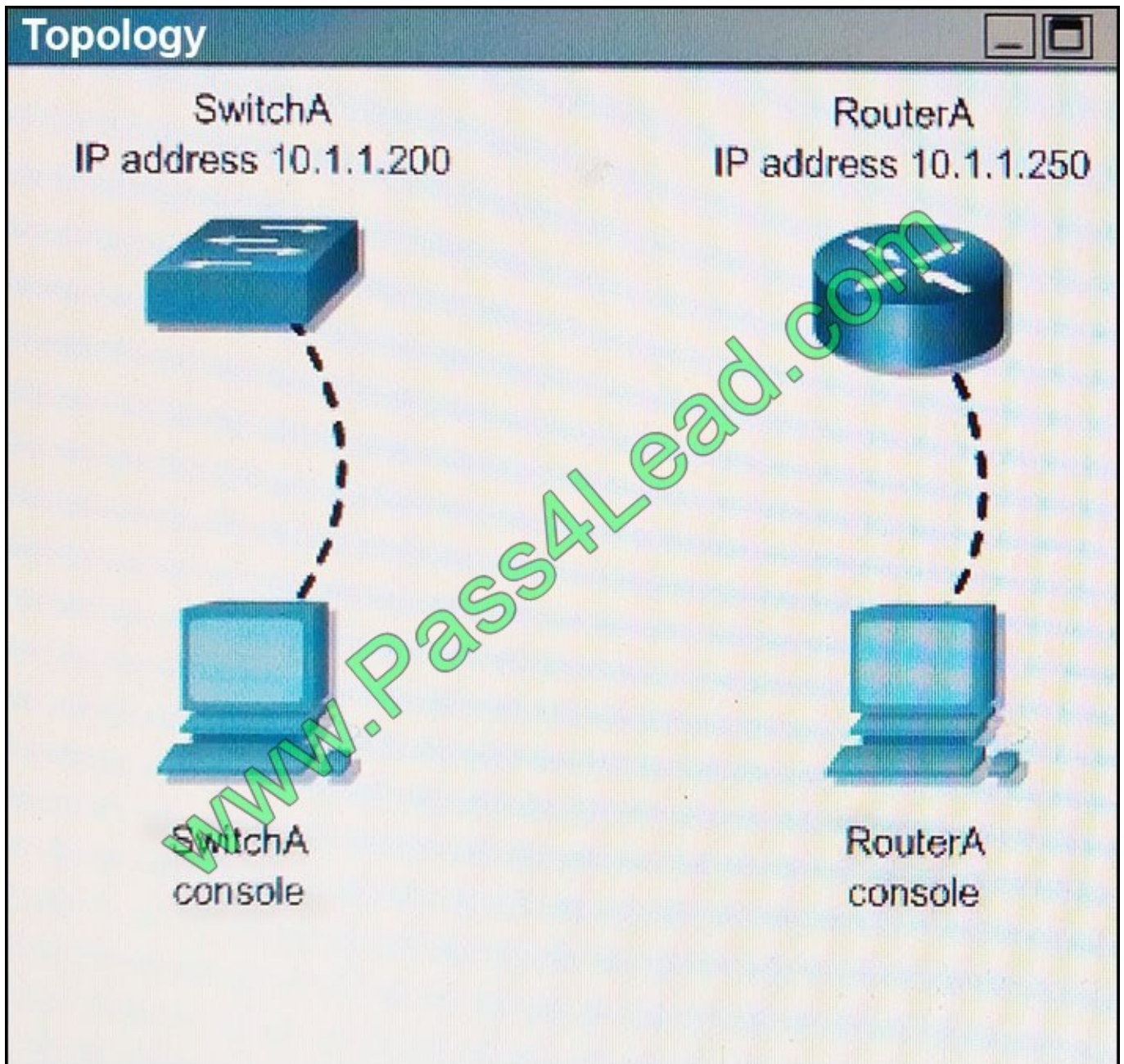
RouterA and SwitchA have been configured to operate in a private network which will connect to the Internet. You have been asked to review the configuration prior to cabling and implementation.

This task requires the use of various IOS commands to access and inspect the running configuration of RouterA and SwitchA. No configuration changes are necessary.

You will connect to RouterA and SwitchA via the console devices that are attached to each.

There are 4 multiple-choice questions with this task. Be sure to answer all of them before leaving this item. In order to score the maximum points you will need to have accessed both SwitchA and RouterA.

NOTE: The configuration command has been disabled for both the router and switch in this simulation.



Which of the following is true regarding the configuration of SwitchA?

- A. only 5 simultaneous remote connections are possible
- B. remote connections using ssh will require a username and password
- C. only connections from the local network will be possible
- D. console access to SwitchA requires a password

Correct Answer: B

SWITCH A CONFIGURATION

!! no service password-encryption ! hostname switch1 enable password cisco username ciscouser password 0 cisco ip

domain-name cisco.com

```
banner login ^C *****  
***** ^C welcome to Switch1. If you encountered any problem, please consult the administrator
```

```
line con 0 line vty 0 4 login local transport input ssh line vty 5 15 login local transport input ssh
```

QUESTION 2

Which information is used to install the best route to a destination in IP routing table?

- A. the tunnel ID
- B. the prefix length
- C. the interface number
- D. the autonomous system

Correct Answer: B

QUESTION 3

Drag and Drop Question

Drag and drop the DNS lookup commands from the left onto the correct effects on the right.

Select and Place:

ip dns server	enables DNS lookup on an individual interface
ip domain list	enables the DNS server on the device
ip domain lookup source-interface	identifies a DNS server to provide lookup services
ip domain name	specifies a sequence of domain names
ip host	specifies the default domain to append to unqualified host names
ip name-server	statically maps an IP address to a hostname

www.Pass4Lead.com

Correct Answer:

www.Pass4Lead.com

ip domain lookup source-interface

ip dns server

ip name-server

ip domain list

ip domain name

ip host

QUESTION 4

WAN data link encapsulation types include which of the following? (Choose two.)

- A. T1
- B. Frame Relay
- C. DSL
- D. PPP
- E. ISDN

Correct Answer: BD

QUESTION 5

Drag and Drop Question

Drag and drop the PDUs from the left onto the correct TCP/IP layers on the right.

Select and Place:

bits	application layer
data	data link layer
frames	network layer
packets	physical layer
segments	transport layer

Correct Answer:

	data
	frames
	packets
	bits
	segments

<http://knutsonco.tripod.com/id9.html>

Here is a table constructed to show you how OSI compares with TCP/IP, and how they both correspond with Encapsulation units (PDUs).

OSI #	OSI Layer Name	TCP/IP #	TCP/IP Layer Name	TCP/IP protocols at each TCP/IP Layer	TCP Utilities	Encapsulation Units (PDUs)
7	Application	4	Application	FTP, HTTP, SMTP, DNS, TFTP	Telnet	Data
6	Presentation	4	Application	FTP, HTTP, SMTP, DNS, TFTP	Telnet	Data
5	Session	4	Application	FTP, HTTP, SMTP, DNS, TFTP	Telnet	Data
4	Transport	3	Transport	TCP	NONE	Segment
3	Network	2	Internet	IP	Ping Trace	Packet
2	Datalink	1	Network Access	NONE	NONE	Frames
1	Physical	1	Network Access	NONE	NONE	Bits

QUESTION 6

DRAG DROP

Drag and drop the VTP terms from the left onto the correct descriptions on the right.

Select and Place:

VTP client mode	enables the administrator to set the VTP version for all switches in the domain
VTP pruning	forwards VTP advertisements out of a trunk port
VTP server mode	operates without the ability to delete VLANs
VTP transparent mode	removes VTP information from unknown unicast traffic on the VLAN
VTP version 1	supports Ethernet VLANs only

Correct Answer:

	VTP server mode
	VTP transparent mode
	VTP client mode
	VTP pruning
	VTP version 1

QUESTION 7

Which one of the following IP addresses is the last valid host in the subnet using mask 255.255.255.224?

- A. 192.168.2.63
- B. 192.168.2.62
- C. 192.168.2.61
- D. 192.168.2.60
- E. 192.168.2.32

Correct Answer: B

With the 224 there are 8 networks with increments of 32 One of these is 32 33 62 63 where 63 is broadcast so 62 is last valid host out of given choices.

QUESTION 8

Why might an enterprise choose to address hosts using RFC 1918 address space?

- A. to remove the need for a Layer 3 device
- B. to conserve assigned public addresses
- C. to route to an external administrative domain
- D. to access the Internet

Correct Answer: B

QUESTION 9

The command `ip route 192.168.100.160 255.255.255.224 192.168.10.2` was issued on a router. No routing protocols or other static routes are configured on the router. Which statement is true about this command?

- A. The interface with IP address 192.168.10.2 is on this router.
- B. The command sets a gateway of last resort for the router.
- C. Packets that are destined for host 192.168.100.160 will be sent to 192.168.10.2.
- D. The command creates a static route for all IP traffic with the source address 192.168.100.160.

Correct Answer: C

Static routes specify the next hop router for packets destined to the specified network. In this case, traffic destined for any host in the 192.168.100.160/27 network will be forwarded to the router at 192.168.10.2

QUESTION 10

Which statement about wireless access points is true?

- A. They are Layer 2 devices that are used to extend a LAN to wireless clients.
- B. They provide full duplex connectivity to host devices.
- C. They are used as routers between LANs in a wireless network.
- D. They are used to physically connect host devices to the wireless network.

Correct Answer: A

QUESTION 11

Which two statements about prefixes in a routing table are true? (Choose two.)

- A. The router prefers longer prefixes over shorter prefixes.
- B. The router prefers prefixes that have more bit positions for the host than for the network.
- C. The router prefers the prefix that includes the most 1 bits in the subnet mask.
- D. The router prefers shorter prefixes over longer prefixes.
- E. The router prefers the prefix that includes the most 0 bits in the subnet mask.

Correct Answer: AC

QUESTION 12

Which device allows users to connect to the network using a single or double radio?

- A. access point
- B. switch
- C. wireless controller
- D. firewall

Correct Answer: A

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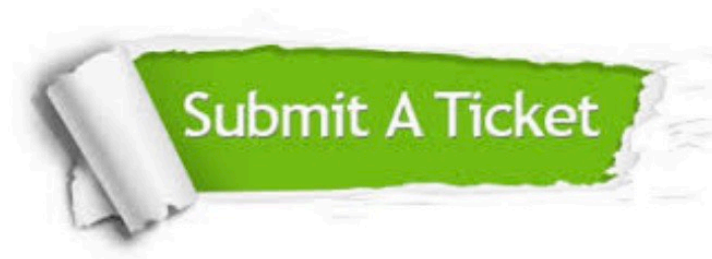
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