PASSTCERT
QUESTION & ANSWER

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Exam : **310-302**

Title : Sun Certified Network
Administrator for Solaris 10
OS

Version : DEMO

1. In certain configurations, Gigabit Ethernet can use 9000 byte Ethernet frames instead of the standard 1500 byte frames.

Which two statements are advantages of using Jumbo Ethernet frames over standard frames? (Choose two.)

A. higher network throughput

B. VLAN complexity reduced

C. lower host CPU utilization

D. more reliable data transmission

E. lower number of packet collisions

Answer: AC

2. Given:

Net to Media Table: IPv4

Device	IP Address	Mask	Flags	Phys Addr
iprb0	cobra_ext	255.255.255.255	SP	00:00:39:e4:7d:df
iprb0	192.168.1.200	255.255.255.255	SP	00:00:39:e4:7d:df
iprb0	224.0.0.0	240.0.0.0	SM	01:00:5e:00:00:00

The above output shows the arp table of a system.

Which two of the following statements are true? (Choose two.)

A. cobra_ext resolves to the IP address 192.168.1.200

B. The system will respond to ARP requests for the address 192.168.1.200

C. The MAC address associated to 192.168.1.200 should have been 01:00:5e:00:00:00

D. The MAC address associated to 192.168.1.200 IP address is wrong

E. 192.168.1.200 IP address has been statically added to the system arp table

Answer: BE

3. You want to configure IPMP on your servers hhe0 and qfe0 devices by changing configuration files.

When configuring IP multi-pathing using configuration files, which entries need to be made? (Choose two.)

A. Add the following to the /etc/hostname.hme0 file:

sys11 netmask + broadcast + group mpgrp-one up \

addif sys11-test-hme0 deprecated netmask + broadcast +\

 -failover up

B. Add the following to the /etc/hostname.qfe0 file:

sys11-data-qfe1 netmask + broadcast + group mpgrp-one up \

addif sys11-test-qfe1 deprecated netmask + broadcast +\

 -failover up

C. Add the following to the /etc/hostname.hme0 file:

sys11-data-qfe1 netmask + broadcast + group mpgrp-one up \

addif sys11-test-qfe1 deprecated netmask + broadcast +\

 -failover up

D. Add the following to the /etc/hostname.qfe0 file:

sys11 netmask + broadcast + group mpgrp-one up \

addif sys11-test-hme0 deprecated netmask + broadcast +\

 -failover up

Answer: AB

4. A host with two interfaces has the routing table:

netstat -rn

Routing Table: IPv4

Destination	Gateway	Flags	Ref	Use	Interface
192.168.1.0	192.168.1.1	U	1	191	hme0
10.10.10.0	192.168.3.10	UG	1	0	
192.168.3.0	192.168.3.1	U	1	176	qfe0
224.0.0.0	192.168.1.1	U	1	0	hme0
127.0.0.1	127.0.0.1	UH	1	3	lo0

What can be determined from the UG flags in the second line?

A. The IP 10.10.10.0 is a gateway.

B. The gateway 192.168.3.10 is up.

C. The gateway 192.168.3.10 has been updated.

D. It is an indirect route, and the gateway system is 192.168.3.10.

Answer: D

5. In the context of naming resolution, which is the source of answers from authoritative DNS servers?

A. sourced from cache

B. sourced from a disk-based file

C. sourced from a root server

D. sourced from the loopback device

Answer: B

6. Given the portion of in.dhcpd output running in debug mode:

3cdbc114: There is no 192.6.17.0 dhcp-network table.
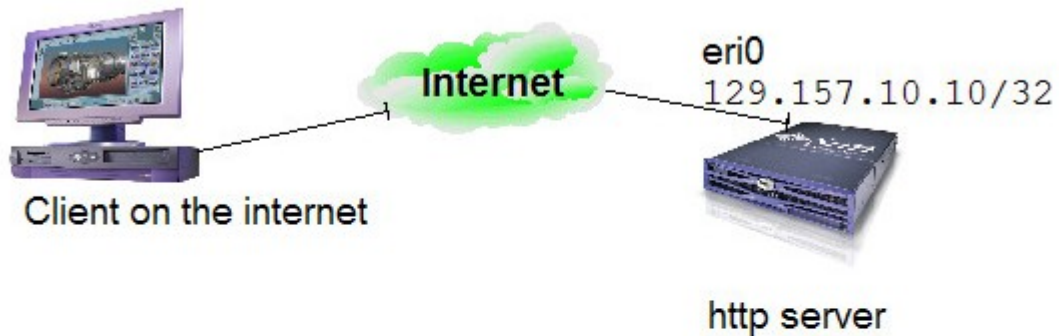
3cdbc114: Datagram received on network device: hme0.

Which two commands need to be run on the DHCP server for the DHCP client to obtain an IP address?

(Choose two.)

A. init 6

B. touch /etc/dhcp.hme0

C. pntadm -C 192.6.17.0

D. ifconfig hme0 dhcp start

E. svcadm restart svc:/network/dhcp-server

F. pntadm -p /var/dhcp -A 192.6.17.97 192.6.17.0

Answer: CF
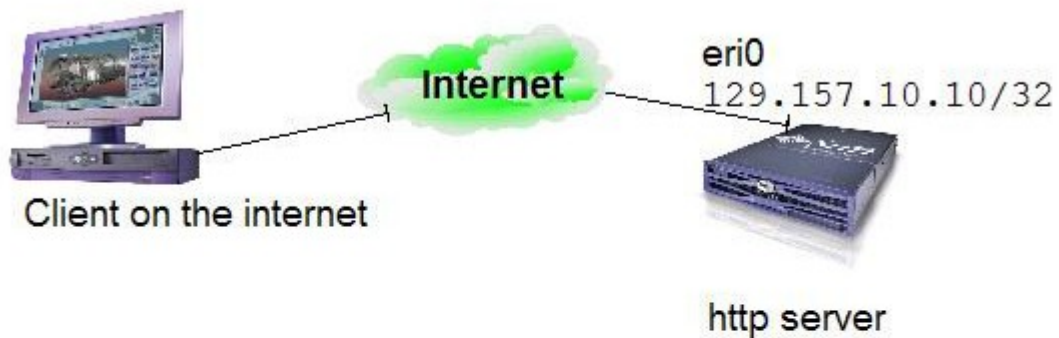

7. Click Next or More to continue.

Complete the Solaris IP Filter firewall rule using three of the options.

Rule

pass in   Place here   on eri0 proto tcp from any   Place here   port =   Place here

Options

| 0/32 | log all | keep state | out | quick | all | keep alive |

Done

Answer:

Complete the Solaris IP Filter firewall rule using three of the options.

Rule

pass in   quick   on eri0 proto tcp from any   0/32   port =   keep state

Options

| 0/32 | log all | keep state | out | quick | all | keep alive |

Done

8. Which two statements correctly describe the data payload section of an Ethernet frame? (Choose two.)

A. It includes the Ethernet address of the receiving system.

B. It helps the receiving interface detect the beginning of the frame.

C. It includes the Transport, Internet, and Application layer headers.

D. It includes information used by both the sending and receiving hosts to determine if an error has occurred during frame transmission.

E. Its maximum size is specific to the type of network interface on a system that receives the frame.

Answer: CE

9. What are two advantages of using a layered networking model? (Choose two.)

A. Routing tables are simplified.

B. Network performance is improved.

C. The troubleshooting process is simplified.

D. Changing one layer does NOT require changes to the other layers.

E. Networking related code does NOT need to be recompiled for other systems.

Answer: CD

10. Which three layers of the OSI network model are included in the Application layer of the TCP/IP network model?   (Choose three.)

A. Network

B. Session

C. Transport

D. Data Link

E. Application

F. Presentation

Answer: BEF

11. A user begins to establish a Telnet session with a second system located on a different subnet. The Network Interface layer is responsible for creating a packet data unit in which the header contains what information?

A. time to live (TTL)

B. destination host address

C. address of the local subnet's router

D. UID of the user executing the telnet command

Answer: C

12. As a connectionless protocol in peer-to-peer communications, UDP interacts with which adjacent and corresponding layers of the TCP/IP model?

A. Ethernet and Hardware

B. Hardware, Network, and Internet

C. Transport, Application, and Internet

D. Application, Transport, Internet, and Network

Answer: C

13. Protocols are used by computer networks to communicate or exchange data.

A data communication protocol is a set of rules that must be followed by electronic devices to communicate with each other.

Which three describe these sets of rules? (Choose three.)

A. Syntax - Data format and coding

B. Internet - Manages data addressing

C. Timing - Speed matching and sequencing

D. Application - Handles the detail and functions

E. Semantics - Controls information and error handling

F. Transport - Manages the connections between cooperating applications

Answer: ACE

14. What are the four layers of the TCP/IP Model? (Choose four.)

A. Internet layer

B. Software layer

C. Data Link layer

D. Hardware layer

E. Transport layer

F. Application layer

G. Network Interface layer

Answer: AEFG

15. Click Next or More to continue.

Place each LAN component next to its description.

LAN Components	Descriptions
Place here	Connects networks which use different protocol suites
Place here	Amplifies signal to extend the distance of transmission
Place here	Connects network segments and filters/forwards packets
Place here	Broadcasts all packets out all connected ports

LAN components to be moved:

bridge	gateway	hub	repeater

Done

Done

Answer:

Place each LAN component next to its description.

LAN Components	Descriptions
gateway	Connects networks which use different protocol suites
repeater	Amplifies signal to extend the distance of transmission
bridge	Connects network segments and filters/forwards packets
hub	Broadcasts all packets out all connected ports

LAN components to be moved:

bridge	gateway	hub	repeater

Done

Done

16. After connecting a new server to a network switch, you discover that you are NOT able to communicate between this server and others on the same network.

You run snoop on the new server and find that it is returning traffic for a network different than the one you want to connect the server to.

Which can be the source of the problem?

A. ARP cache on the server is stale

B. network cable is longer than allowed

C. switch port configured for the wrong VLAN

D. server is configured with the wrong IP address

E. DHCP server returning incorrect network settings

Answer: C

17. You have been assigned to create a plan to increase network security. Which two network topologies and devices should you plan on phasing out?   (Choose two.)

A. bus

B. hub

C. VLAN

D. switch

E. bridge

Answer: AB

18. You have been asked to recommend a network topology for a new server network. This network will service all of your Sun servers, approximately 50 machines, plus several employee workstations, approximately 20 machines.

Which network topology is correctly suited for this environment?

A. A ring topology using intelligent hubs

B. A bus topology segmented into multiple network

C. A VLAN topology with one VLAN for servers and another for workstations

D. A star topology with one segment for servers and another for workstations

Answer: C

19. You have been asked to recommend a network connection type to link your office with another office approximately 1,000 meters (1,100 yards) away. This network will transfer very large files between the two offices.

Which network media type should you recommend?

A. 10BASE-T

B. 1000BASE-SX

C. 1000BASE-LX

D. 1000BASE-CX

E. Gigabit Ethernet

Answer: C

20. Different forms of Ethernet cabling use different cable connectors to attach to Ethernet devices.

Which three are Ethernet cable connector types? (Choose three.)

A. AUI

B. DB-9

C. BNC

D. RJ-45

E. HD-15

F. Centronics

Answer: ACD