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IT exam study guide / simulations

Exam : **GB0-191-ENU**

Title : **Constructing Small - and
Medium - Sized Enterprise
Network**

Vendor : **H3C**

Version : **DEMO**

QUESTION NO: 1

The two routers of the customer are connected back to back by V.35 cables, and one of the routers has the following interface information: [MSR-Serial0/0]display interface Serial 0/0
Serial0/0 current state: UP

Line protocol current state: UP

Description: Serial6/0 Interface

The Maximum Transmit Unit is 1500, Hold timer is 10(sec)

Internet Address is 6.6.6.1/30 Primary

Link layer protocol is PPP

LCP opened, IPCP opened

From the above information, you can know _____. (Multiple choice)

- A.** This router has completed PPP negotiation with the remote device, and successfully established a PPP link
- B.** The PPP PAP or CHAP verification option has been successfully completed between this router and the remote device. It is impossible to see in the question whether there is verification and whether it has passed
- C.** You can already ping the peer's address on this router. 6.6.6.2 It is impossible to judge whether the verification is passed, so the peer's address may not be able to ping
- D.** The interface information prompts, the second IP address subordinate can also be configured under this interface

Answer: AD

QUESTION NO: 2

Use the _____ command to configure static routes on the MSR router.

- A.** ip route-static
- B.** route-static
- C.** ip static-route
- D.** static-route

Answer: A

QUESTION NO: 3

The correct statement below is _____. (Multiple choice)

- A.** DCE (Data Circuit Terminating Equipment, data communication equipment or data circuit terminal equipment) equipment and its connection with the communication network constitute the user network interface of the network terminal. It provides a physical connection to the network for forwarding traffic, and provides a clock signal for synchronizing data transmission between DCE equipment and DTE equipment.
- B.** DTE (Data Terminal Equipment, data terminal equipment) equipment refers to the equipment located at the user end of the user network interface, it can be used as a source, a sink, or both at the same time. Data terminal equipment is connected to a data network through a data communication device (for example, a modem), and usually uses a clock signal generated by the data communication device. Modems and interface cards are examples of DTE devices. Is an example of a DCE device
- C.** CSU (Channel Service Unit): A digital interface device that connects end users with the

local digital telephone loop. Usually it and DSU are collectively referred to as CSU/DSU. CSU equipment includes computers, protocol translators, and demultiplexers. DTE equipment includes these

D. DSU (Data Service Unit): refers to a device used in digital transmission, which can adapt the physical layer interface on the DTE device to communication facilities such as T1 or E1. The data service unit is also responsible for signal timing and other functions. It is usually mentioned together with CSU and is called CSU/DSU.

Answer: AD

QUESTION NO: 4

UDP belongs to the _____ of the OSI reference model.

- A.** Network layer
- B.** Transport layer
- C.** Session layer
- D.** Presentation layer

Answer: B

QUESTION NO: 5

A Layer 3 switch is connected to the GE0/0 interface of the customer's router MSR-1, and this Layer 3 switch is the default gateway for multiple network segments of the customer's office network to which it is connected. MSR-1 is connected to the Internet through the serial port S1/0. The entire network has been interoperable normally, and office network users can access the Internet. Add the following ACL configuration on the router:

```
firewall enable
acl number 3004
rule 0 deny ip source 192.168.1.0 0.0.0.255
rule 5 permit tcp source 192.168.0.0 0.0.255.255
rule 10 permit icmp
```

At the same time, ACL 3004 is applied in the inbound direction of GE0/0, then _____.
(Multiple choice)

- A.** The router allows users on the 192.168.2.0/24 network segment to pass the FTP data stream sent from the Internet
- B.** The router allows ICMP packets of all users to pass
- C.** The router prohibits all IP traffic to the Internet from users on the 192.168.1.0/24 network segment from passing through
- D.** The router allows users on the 192.168.1.0/24 network segment to pass the WWW service traffic to the Internet

Answer: AC

QUESTION NO: 6

For the description of PPP PAP verification below, the correct one is _____. (Multiple choice)

- A.** PAP verification is a two-way handshake protocol
- B.** The username of PAP is in plain text, but the password is confidential
- C.** The user name of PAP is in cipher text, and the password is in plain text

D. The username and password of PAP are both in plain text

Answer: AD

QUESTION NO: 7

Compared with the standard subnet division, the biggest difference between the variable length subnet mask division (VLSM) and it is _____.

- A. For a naturally classified IP network, a subnet mask of any length can be used for subnet division
- B. After subnetting a naturally classified IP network, the subnet mask length of each subnet can be different
- C. Can form a super network
- D. Use classless addresses for network division

Answer: B

QUESTION NO: 8

The XYZ company administrator is subnetting the office network. It is required to divide a class B network segment into several subnets of equal size for office users in various departments, but there is no limit to the size of the subnets. There can be ___ kinds of division methods. (Please fill in Arabic numerals)

Answer: 14

QUESTION NO: 9

The router S0/0 interface is connected to the network through frame relay, and the following interface information can be seen on this router:

```
[MSR]display interface Serial 0/0
Serial0/0 current state: UP
Line protocol current state: UP
Internet Address is 3.3.3.1/24 Primary
Link layer protocol is FR IETF
LMI DLCI is 0, LMI type is Q.933a, frame relay DTE
LMI status enquiry sent 91, LMI status received 69
LMI status timeout 22, LMI message discarded 1
Then you know _____. (Multiple choice)
```

- A. The LMI type of the interface package is Q.933a
- B. The virtual circuit number used by the interface is DLCI 0
- C. The PVC status of the interface is already UP
- D. This interface has sent 91 status query messages to query the PVC status of the interface

Answer: AD

QUESTION NO: 10

The TCP protocol uses _____ to distinguish different connections.

- A. Port number
- B. Port number and IP address
- C. Port number and MAC address

D. IP address and MAC address

Answer: B

QUESTION NO: 11

Which of the following statements about IP addresses are correct is _____. (Multiple choice)

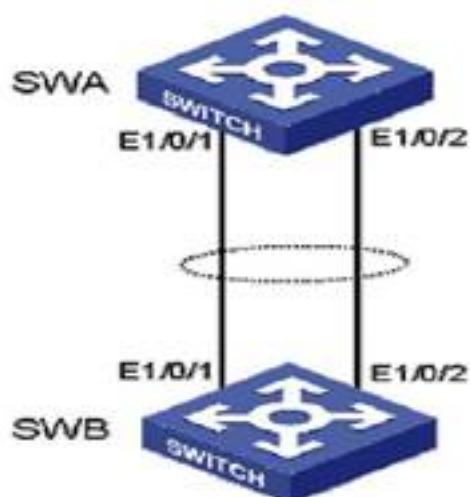
- A. IP address consists of two parts: network number and host number
- B. The first byte of class A address is 0~126 (127 is reserved for other use)
- C. IP address is usually expressed in dotted decimal notation, for example: 10.110.168.121
- D. The IP address with all 1s in the host number is called the network address, which is used to identify all hosts on a network

Answer: AC

QUESTION NO: 12

As shown in the figure, S3610 switch SWA uses ports E1/0/1 and E1/0/2 to connect to another switch SWB. In order to increase bandwidth, static link aggregation needs to be configured on the switch.

Which of the following configuration is correct? (multiple choice)



- A. [SWA] interface bridge-aggregation 1
- B. [SWA-Ethernet1/0/1] port link-aggregation group 1
- C. [SWA-Ethernet1/0/2] interface bridge-aggregation 1
- D. [SWA]interface bridge-aggregation 1 port Ethernet1/0/1 Ethernet1/0/2

Answer: AB

QUESTION NO: 13

Both VLAN technology and port isolation technology can achieve Layer 2 isolation of data.

- A. correct
- B. error

Answer: A

QUESTION NO: 14

The customer's MSR router is connected to the operator's network through the S0/0 interface and to the internal network through the G1/0 interface. Currently, the network is operating

normally, and customers can normally access all services on the Internet and Intranet through the router. Now the following configuration has been added to the MSR: ★ The original answer ABCD firewall enable firewall default deny acl number 3002 rule 0 deny tcp interface Serial0/0 link-protocol ppp firewall packet-filter 3002 inbound firewall packet-filter 3002 outbound So which of the following applications are possible Not affected _____.

- A. Learn routing with the operator through RIP
- B. Learn routing with the operator through OSPF
- C. Learn routing with the operator through BGP
- D. Visit the information technology website in Shanghai

Answer: ABCD

QUESTION NO: 15

An MSR router needs to learn routing information through RIP, and the following configuration is made on the router: rip 1 network 0.0.0.0 Then the correct explanation for this configuration is _____.

- A. RIP will publish a default route of 0.0.0.0
- B. All interfaces on this router enable RIP
- C. When RIP is not enabled on this router
- D. This configuration is incorrect

Answer: B

QUESTION NO: 16

Which of the following is the correct IPv6 address? (multiple choice)

- A. 2001:410:0:1:45FF
- B. 2001:410:0:1:0:0:0:0:45FF
- C. 2001:410:0:1:0:0:0:45FF
- D. 2001:410:0:1::45FF

Answer: CD

QUESTION NO: 17

After executing the display vlan 2 command on the switch SWA, the switch output is as follows:

```
<SWA> display vlan 2
VLAN ID: 2
VLAN Type: static
Route interface: not configured
Description: VLAN 0002
Tagged Ports: none
Untagged Ports:
Ethernet1/0/1 Ethernet1/0/3 Ethernet1/0/4
```

It can be judged from the above output _____. (Multiple choice)

- A. Port Ethernet1/0/1 is a Trunk port hybrid
- B. VLAN2 contains ports Ethernet1/0/1, Ethernet1/0/3 and Ethernet1/0/4
- C. Data frames with VLAN2 tags need to be stripped off when they leave port Ethernet1/0/3

D. The current VLAN on the switch is only VLAN2 and Vlan1 must exist

Answer: BC

QUESTION NO: 18

If a port running STP in the Ethernet switch does not receive or forward data, receives but does not send BPDUs, and does not perform address learning, then the port should be in the _____ state.

- A. Blocking
- B. Listening
- C. Learning
- D. Forwarding
- E. Waiting
- F. Disable

Answer: A

QUESTION NO: 19

How does RIP avoid routing loops by combining suppression time and route poisoning?

- A. After learning a route from an interface, set the metric of the route to infinity, and send it back to the neighbor router from the original interface
- B. After learning a route from an interface, suppress the setting of the route and send it back to the neighbor router from the original interface
- C. Actively set the suppression time for the route of the faulty network segment, set its metric value to infinity, and send it to other neighbors
- D. After learning a route from an interface, set the metric value of the route to infinity, and set the suppression time, and then send it back to the neighbor router from the original interface

Answer: C

QUESTION NO: 20

In the process of establishing a PPP session, when authentication is set but the authentication fails, the PPP link enters the _____ phase.

- A. Establish
- B. Network
- C. Authentication
- D. Dead
- E. Terminate

Answer: E

QUESTION NO: 21

If the broadcast flag in the DHCP Discovery message sent by the DHCP client to the DHCP relay is 0, the DHCP relay responds to the DHCP offer message of the DHCP client with _____.

- A. unicast
- B. broadcast

C. multicast

D. anycast

Answer: A

QUESTION NO: 22

In the command line, if the user wants to return to the previous view from the current view, they should use _____.

A. return command

B. quit command

C. <Ctrl+z> key

D. <Ctrl+c> key

Answer: B

QUESTION NO: 23

Which of the following advantages does the OSI reference model have? (multiple choice)

A. The OSI reference model provides compatibility and standard interfaces between devices and promotes standardization.

B. The OSI reference model is a theoretical description of the information transmission process that occurs between network devices, and defines how to implement each layer of functions through hardware and software.

C. An important feature of the OSI reference model is its layered architecture. The layered design method can transform a large and complex problem into several smaller and easy-to-handle problems.

D. None of the above statements are correct.

Answer: AC

QUESTION NO: 24

The number of available host addresses contained in the natural classification network segment corresponding to IP address 172.15.1.1 is _____. (Please fill in Arabic numerals)

Answer:

65534

QUESTION NO: 25

Configure the unconfigured MSR router from the factory through the console port, and the baud rate of the terminal's serial port should be set to _____.

A. 9600

B. 2400

C. 115200

D. 38400

Answer: A

QUESTION NO: 26

The customer's network connection looks like:

HostA---GE0/0--MSR-1--S1/0-----WAN-----S1/0--MSR-2--GE0/0----HostB

The two MSR routers are interconnected through the WAN, and the physical connection is now normal. The address of interface S1/0 of MSR-1 is 3.3.3.1/30, and the address of interface S1/0 of MSR-2 is 3.3.3.2/30. Now the following three static routes are configured on MSR-1:

```
ip route-static 192.168.1.0 255.255.255.0 3.3.3.2
```

```
ip route-static 192.168.2.0 255.255.255.0 3.3.3.2
```

```
ip route-static 192.168.0.0 255.255.255.0 3.3.3.2
```

The 192.168.0.0/22 subnet is the local area network segment where the host HostB is located.

So which of the following descriptions are correct? (multiple choice)

- A. All three routes will be written into the routing table of MSR-1
- B. Only the third route will be written into the routing table of MSR-1
- C. These three routes can be replaced by one route `ip route-static 192.168.0.0 255.255.252.0 3.3.3.2`
- D. Only the first route will be written into the routing table of MSR-1

Answer: AC

QUESTION NO: 27

PPP has to go through a series of negotiation processes before establishing a link. The correct negotiation sequence is _____.

- A. LCP>PAP/Chap>NCP
- B. PAP/CHAP>LCP>NCP
- C. LCP> NCP>PAP/CHAP
- D. NCP>LCP>PAP/CHAP

Answer: A

QUESTION NO: 28

A network connection is like:

HostA---GE0/0--MSR-1--S1/0-----S1/0--MSR-2--GE0/0----HostB

Two of the MSR routers MSR-1 and MSR-2 are interconnected back-to-back through their S1/0 interfaces, and their GE0/0 interfaces are respectively connected to the client hosts HostA and HostB. By configuring the IP address and routing, HostA can communicate with HostB in the current network. The IP address of HostA is 192.168.0.2/24, and the default gateway is 192.168.0.1. The GE0/0 interface address of MSR-1 is 192.168.0.1/24.

The following configuration has been added to MSR-1:

```
firewall enable
```

```
firewall default permit
```

```
acl number 3003
```

```
rule 0 deny icmp source 192.168.0.2 0 icmp-type echo-reply
```

```
interface GigabitEthernet0/0
```

```
firewall packet-filter 3003 inbound
```

So _____ . (Multiple choice)

- A. The IP address of interface GE0/0 of MSR-1 cannot be pinged on HostA

- B. On HostA, you can ping the IP address of MSR-1 interface GE0/0
- C. Cannot ping HostA on MSR-1
- D. HostA can be pinged on MSR-1

Answer: BC

QUESTION NO: 29

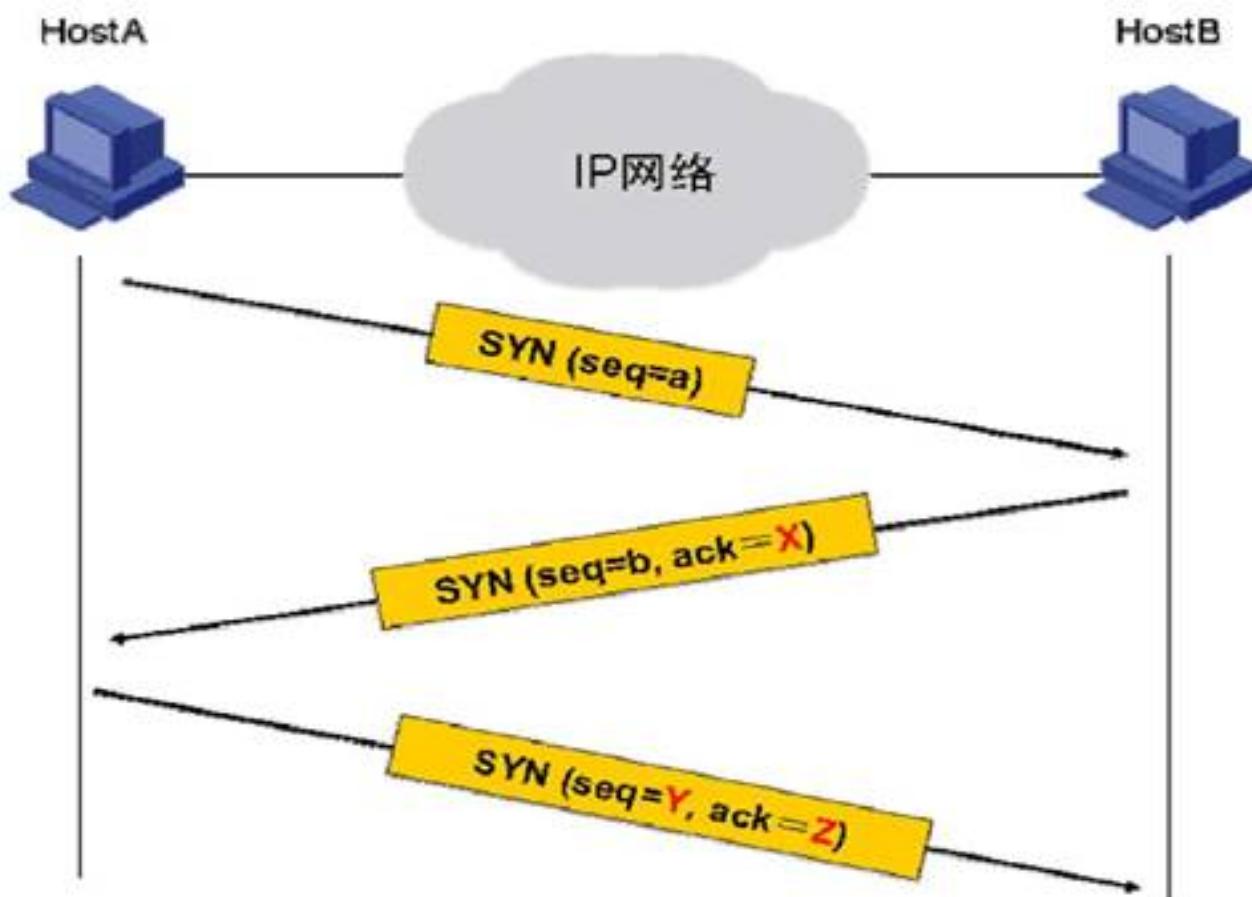
In Windows operating system, which command can display ARP table entry information?

- A. display arp
- B. arp -a
- C. arp -d
- D. show arp

Answer: B

QUESTION NO: 30

During the establishment of the TCP connection as shown in the figure, the Y part of SYN should be filled with _____.



- A. a
- B. b
- C. a+1
- D. b+1

Answer: C