

Huawei Routing and Switching 2019

**Для благодарностей: с подписью от кого
сбербанк/тинькофф/втб 89274122099 (Тимур)**

Настоятельно рекомендую не палить док перед преподавом, он может обнулить экзамен и выгнать из аудитории (были такие случаи)

Документ оставляю закрытым для редактирования, если что оставляйте комментарии, ниже ответы списком и скрины всех вопросов с ответом сверху, тут могут быть ошибки, тест с этими ответами был решен на 715 баллов, в пропущенных ответах выбирался рандом, если вы знаете какой ответ верный, оставьте комментарий, если вы уверены, что где-то верный ответ другой, оставьте комментарий, со временем поправлю, gl hf!

- 1 True
- 2 True
- 3 True
- 4 False
- 5 False
- 6 False
- 7 False
- 8 True
- 9 True
- 10 False
- 11 False
- 12 False
- 13 True
- 14 ----
- 15 False
- 16 True
- 17 True
- 18 True
- 19 True
- 20 True
- 21 True
- 22 True
- 23 False
- 24 ----
- 25 False
- 26 False

27 True
28 True
29 False
30 True
31 d
32 c
33 a
34 c
35 d
36 d
37 c
38 ----
39 ----
40 c
41 c
42 c
43 c
44 d
45 c
46 d
47 b
48 b
49 b
50 c
51 ab
52 ad
53 abd
54 bcd
55 ad
56 bcd
57 abc
58 ae
59 abd
60 bd

1 True

Question1 True or False(15.0point.)

Refer to the graphic, 00e0-fc99-9999 is a specific host MAC address learned by a switch through ARP and the host changes the IP address three times.

<Huawei>display arp dynamic

IP ADDRESS	MAC ADDRESS	EXPIRE(M)	TYPE	INTERFACE	VPN-INSTANCE	VLAN/CEVLAN	PVC
10.137.217.210	00e0-fc01-0203		I -	Ethernet1/0/0			
10.2.2.1	00e0-fc99-9999		I -	Eth-Trunk0			
192.168.20.1	00e0-fc99-9999		I -	Vlanif100			
10.0.0.1	00e0-fc99-9999		I -	Vlanif200			
Total: 7		Dynamic: 2	Static: 0	Interface: 5			

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2 True

Question2 True or False(15.0point.)

If a router does not match a specific route when forwarding a packet and there is no default route, the router discards the packet directly.

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3 True

Question3 True or False(15.0point.)

In STP, the priority of the STP root switch ranges from 0 to 65536.

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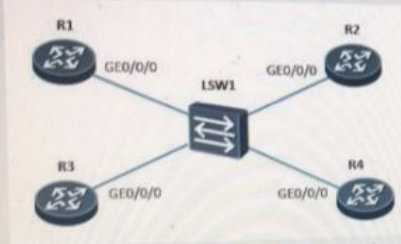
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4 False

Question4 True or False(15.0point.)

Refer to the graphic. OSPF is used on four routers that are in the same area and on the same network segment. In this scenario, OSPF selects one DR and multiple BDRs to ensure backup.



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5 False

Question5 True or False(15.0point.)

ACLs on AR G3 series routers, support configuration and auto sequences.

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6 False

Question6 True or False(15.0point.)

According to the preceding VTY configuration, the user level is set to level 3, which is the highest level.

```
[Huawei]user-interface vty 0 14
[Huawei-ui-vty0-14]acl 2000 inbound
[Huawei-ui-vty0-14]user privilege level 3
[Huawei-ui-vty0-14]authentication-mode password
Please configure the login password (maximum length 16):huawei
```

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7 False

Question7 True or False(15.0point.)

A DHCP Offer packet can carry only one DNS server address.

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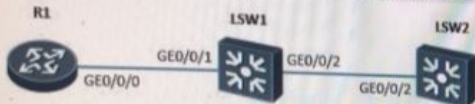
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8 True

Question8 True or False(15.0point.)

Refer to the graphic, after the ping 10.1.1.2 command is executed on R1, LSW1 receives a tagged data frame from VLAN 10 on LSW2.



```
[R1]interface GigabitEthernet0/0/0
[R1- GigabitEthernet0/0/0]ip address 10.1.1.1 255.255.255.0
#
[LSW1]interface GigabitEthernet0/0/1
[LSW1- GigabitEthernet0/0/1] port hybrid untagged vlan 10 20
[LSW1- GigabitEthernet0/0/1] port hybrid pvid vlan 10
[LSW1]interface GigabitEthernet0/0/2
[LSW1- GigabitEthernet0/0/2]port link-type trunk
[LSW1- GigabitEthernet0/0/2]port trunk allow-pass vlan 10 20
#
[LSW2]interface GigabitEthernet0/0/2
[LSW2- GigabitEthernet0/0/2]port link-type trunk
[LSW2- GigabitEthernet0/0/2]port trunk allow-pass vlan 10 20
[LSW2]interface vlanif 10
[LSW2-Vlanif10]ip address 10.1.1.2 255.255.255.0
```

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9 True

Question9 True or False(15.0point.)

On Huawei devices, administrators can advertise a subnet in RIPv2 because RIPv2 supports VLSM.

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10 False

Question10 True or False(15.0point.)

A trunk interface allows frames from multiple VLANs including VLAN 4096.

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11 False

Question11 True or False(15.0point.)

In OSPFv3, router IDs can be automatically generated by the system.

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12 False

Question12 True or False(15.0point.)

In the VRP system, the login timeout interval must be configured on the VTY interface.

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13 True

Question13 True or False(15.0point.)

On an FR network, the DLCI identifies a virtual circuit on an interface. The DLCI must be unique during planning and deployment.

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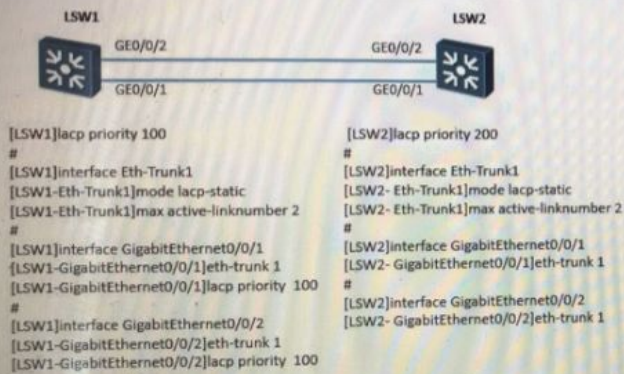
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14 ----

Question14 True or False(15.0point.)

According to the topology and configuration shown in the figure, an Eth-Trunk link can be set up between the two switches on which LSW2 is the Actor.



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Активация Windows

Чтобы активировать Windows, перейдите в "Параметры".

15 False

Question15 True or False(15.0point.)

On Huawei switches, VLAN 4095 cannot be created and VLAN 1 cannot be deleted.

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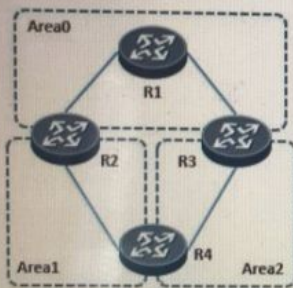
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16 True

Question16 True or False(15.0point.)

The following figure shows the network topology and OSPF area partition. Routers R2, R3, and R4 are OSPF ABRs but R1 is not.



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17 True

Question17 True or False(15.0point.)

When a source end uses application software to send an image file through a network, the TCP/IP encapsulation process of the file is: Data → Segment → Packet → Frame → Bit.

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18 True

Question18 True or False(15.0point.)

Network storms may occur if there is a loop on a switched network.

☒ ✓ ☐ ✗

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19 True

Question19 True or False(15.0point.)

ARP can resolve the MAC address of a target device based on the destination IP address and realize mappings between data link addresses and IP addresses.

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20 True

Question20 True or False(15.0point.)

In an RIP process on a Huawei device, you can use the preference command to configure the RIP route preference. After executing the command, you can specify routing policies to configure preferences for the routes meeting requirements.

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21 True

Question21 True or False(15.0point.)

The following configuration commands implement route backup on RTA for a route to the same destination 10.1.1.0.

```
[RTA]ip route-static 10.1.1.0 24 12.1.1.1 permanent  
[RTA]ip route-static 10.1.1.0 24 13.1.1.1
```

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22 True

Question22 True or False(15.0point.)

In RSTP mode, both alternate and backup ports cannot forward user traffic but can receive, process, and send BPDU.

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23 False

Question23 True or False(15.0point.)

Trunk interfaces can send both tagged and untagged frames.

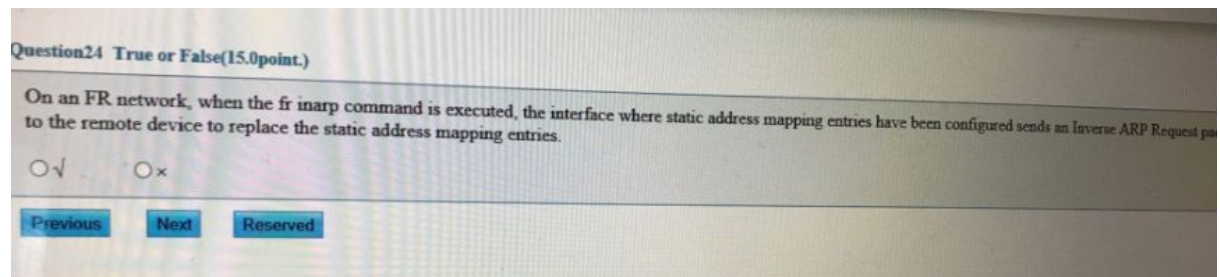
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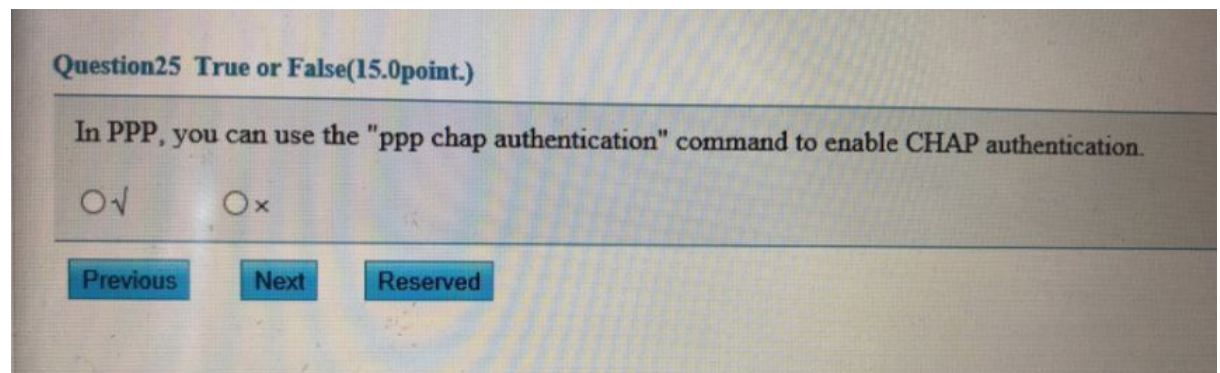
Next

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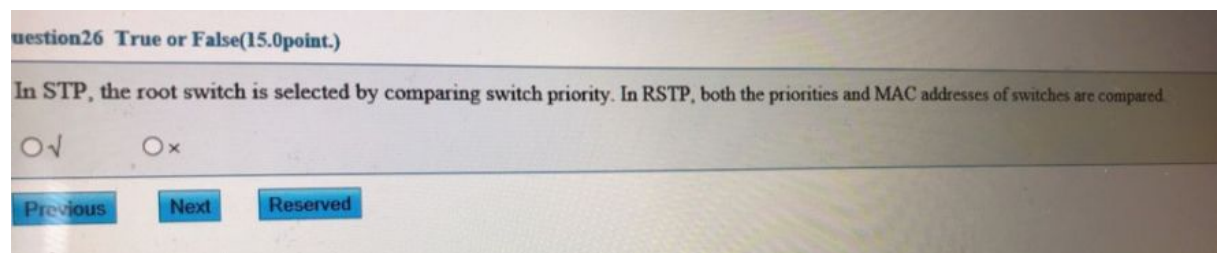
24 -----



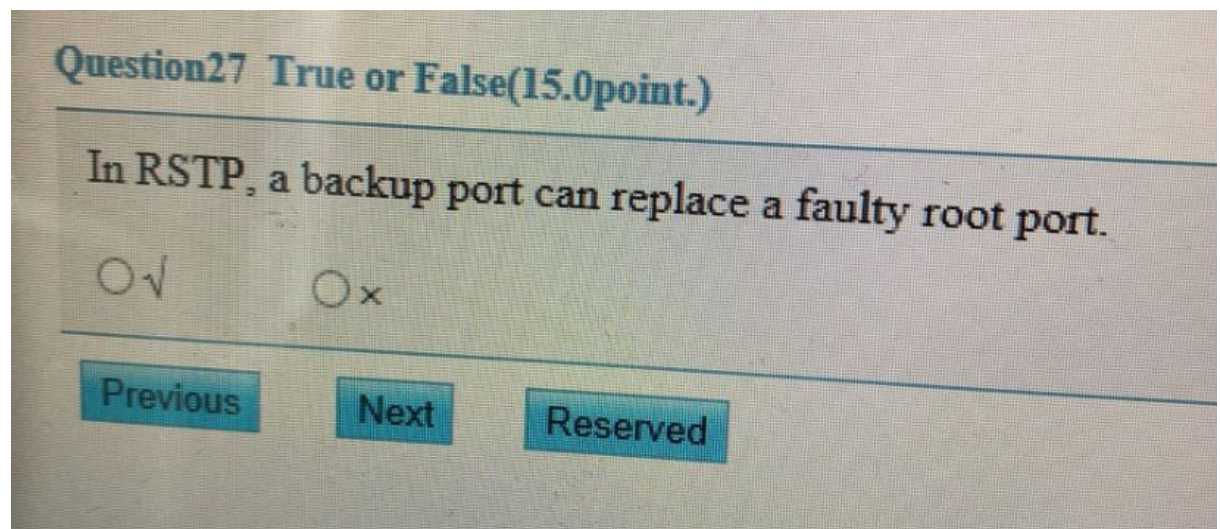
25 False



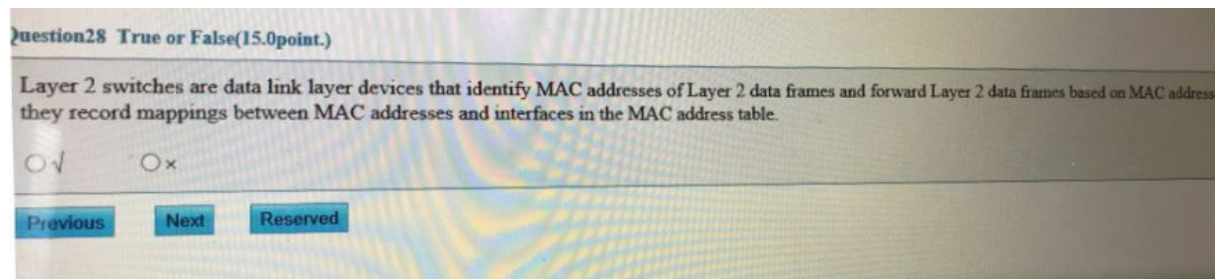
26 False



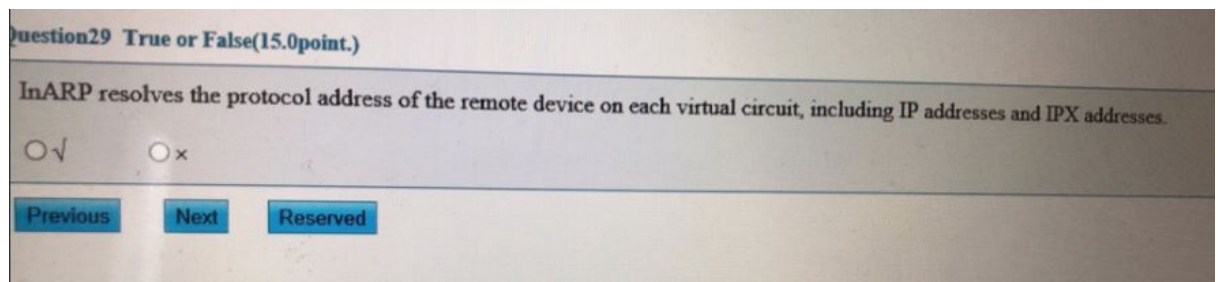
27 True



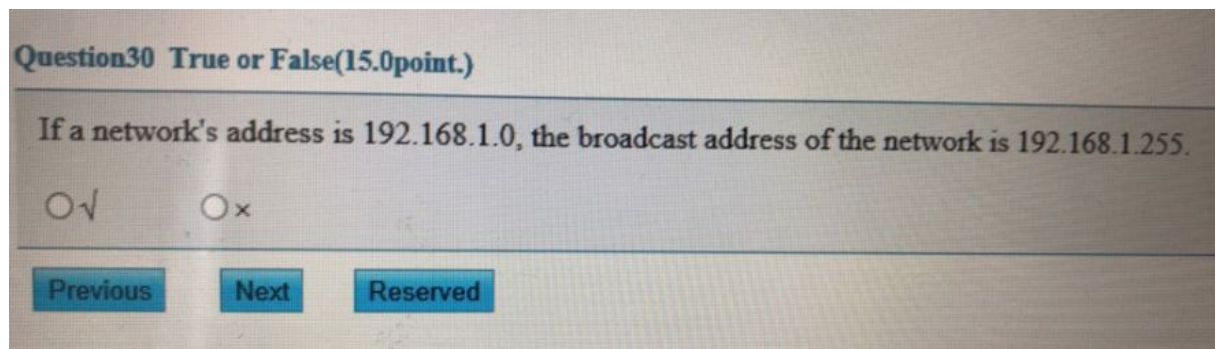
28 True



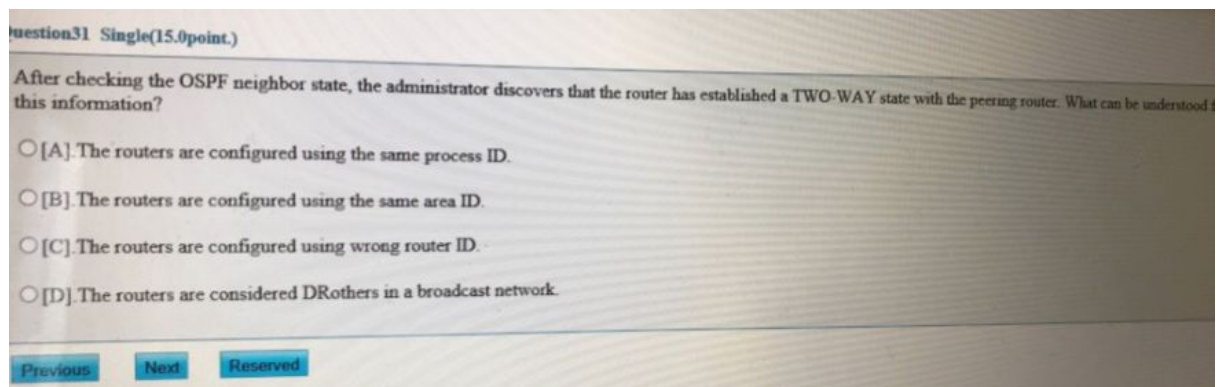
29 False



30 True



31 d



32 c

Question32 Single(15.0point.)

An end system is unable to communicate with a DHCP server following the startup process. Which IP address may be used by the client?

- ☐ [A] 0.0.0.0
- ☐ [B] 127.0.0.1
- ☐ [C] 169.254.2.33
- ☐ [D] 255.255.255.255

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33 a

Question33 Single(15.0point.)

Which of the following authentication method is more secure for PPP?

- ☐ [A] CHAP.
- ☐ [B] PAP.
- ☐ [C] MD5.
- ☐ [D] SSH.

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34 c

Question34 Single(15.0point.)

The users who log on the router through Telnet are not permitted to configure IP address. What is the possible reason?

- ☐ [A] Communication failures occur between the user and the router.
- ☐ [B] The authentication mode of Telnet is set incorrectly.
- ☐ [C] Privilege level of Telnet is set incorrectly.
- ☐ [D] SNMP parameters are set incorrectly.

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35 d

Question35 Single(15.0point.)

Which command can be used to check the PPPoE client session status?

- ☐ [A].display ip interface brief.
- ☐ [B].display current-configuration.
- ☐ [C].display pppoe-client session packet.
- ☐ [D].display pppoe-client session summary.

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36 d

Question36 Single(15.0point.)

A port on a switch is configured as a Trunk port. Assume that one host connects to this Trunk port to access the network. Which of the following operations is mandatory?

- ☐ [A] Delete all the VLANs on this port in the global view.
- ☐ [B] Delete all the VLANs on this port in the interface view.
- ☐ [C] Disable this port and then enable it again to restore the default setting of the port.
- ☐ [D] Configure this port as an access port.

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37 c

Question37 Single(15.0point.)

Which of the following statements is true about the TTL field in an IP packet header?

- ☐ [A].The length of this field is 7 bits.
- ☐ [B].This field is used to fragment packets.
- ☐ [C].This field is used to prevent packets from looping.
- ☐ [D].This field is used to display packet priorities.

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38 ----

Question38 Single(15.0point.)

In port aggregation, "multiple" ports are aggregated to form a port aggregation group so that all the member ports in the group share the outgoing/incoming load. At which layer is port aggregation implemented?

- ☐ [A] Physical Layer.
- ☐ [B] Data Link Layer.
- ☐ [C] Network Layer.
- ☐ [D] Transport Layer.

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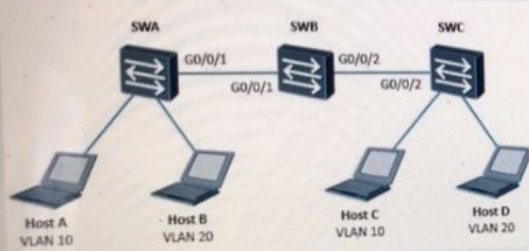
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39 ----

Question39 Single(15.0point.)

Refer to the graphic. VLANs 10 and 20 have been created on both SWA and SWC. VLAN 10 has been manually created on SWB. SWB has learned VLAN 20 from SWA and SWC via GVRP, allowing the hosts to belong to different VLANs as shown. If port interface G0/0/1 on SWB is changed to fixed mode, what will happen?



- ☐ [A] Host A will still be able to communicate with Host C.
- ☐ [B] Host B will still be able to communicate with Host D.
- ☐ [C] Hosts that belong to the same VLAN will still be able to communicate.
- ☐ [D] All hosts will be unable to communicate with any other host.

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40 c

Question40 Single(15.0point.)

In order to check if the interface serial 1/0/0 of the router is working in either DCE or DTE mode, command () is used.

- ☐ [A] display mode serial 1/0/0.
- ☐ [B] display controller.
- ☐ [C] display interface serial 1/0/0.
- ☐ [D] display current-configuration.

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41 c

Question41 Single(15.0point.)

According to the following configuration results, which statement is true about RIP?

```
Huawei> display rip
Public VPN-instance:
RIP process: 34
RIP version: 1
Preference: 100
Checkzero: Enabled
Default-cost: 1
Summary: Disabled
Host-route: Enabled
Maximum number of balanced paths: 4
Update time: 30 sec
Age time: 180 sec
Garbage-collect time: 120 sec
Graceful restart: Disabled
Silent-interfaces: None
Default-route: Enabled
Default route cost: 2
Verify-source: Enabled
Networks: 34.0.0.0 12.0.0.0
```

- ☐ [A]. Automatic summarization is enabled.
- ☐ [B]. The RIP process ID is 1.
- ☐ [C]. The interval for sending RIP update packets is 30s.
- ☐ [D]. The value of the Garbage-collect timer is 180s.

42 c

Question42 Single(15.0point.)

An administrator discovered he/she was unable to use TFTP to transfer files to the router. Which of the following describes the likely reason for this?

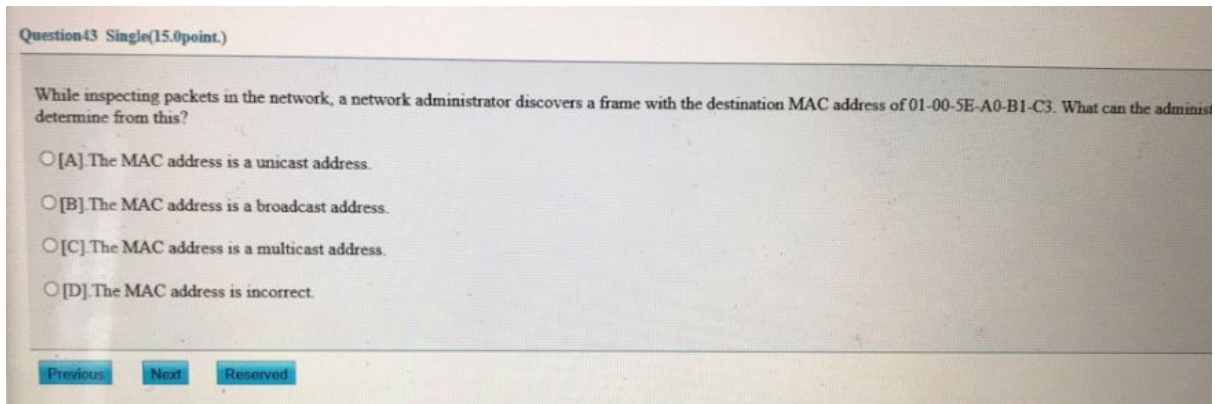
- ☐ [A]. The TFTP service had been disabled on the router.
- ☐ [B]. TCP port 69 of the server had been blocked.
- ☐ [C]. UDP port 69 of the server had been blocked.
- ☐ [D]. The username and password had been modified.

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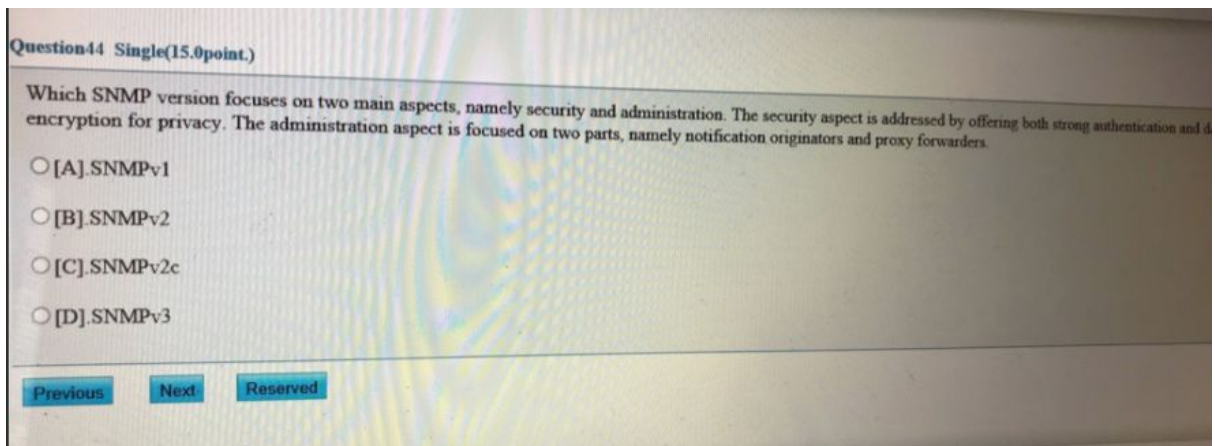
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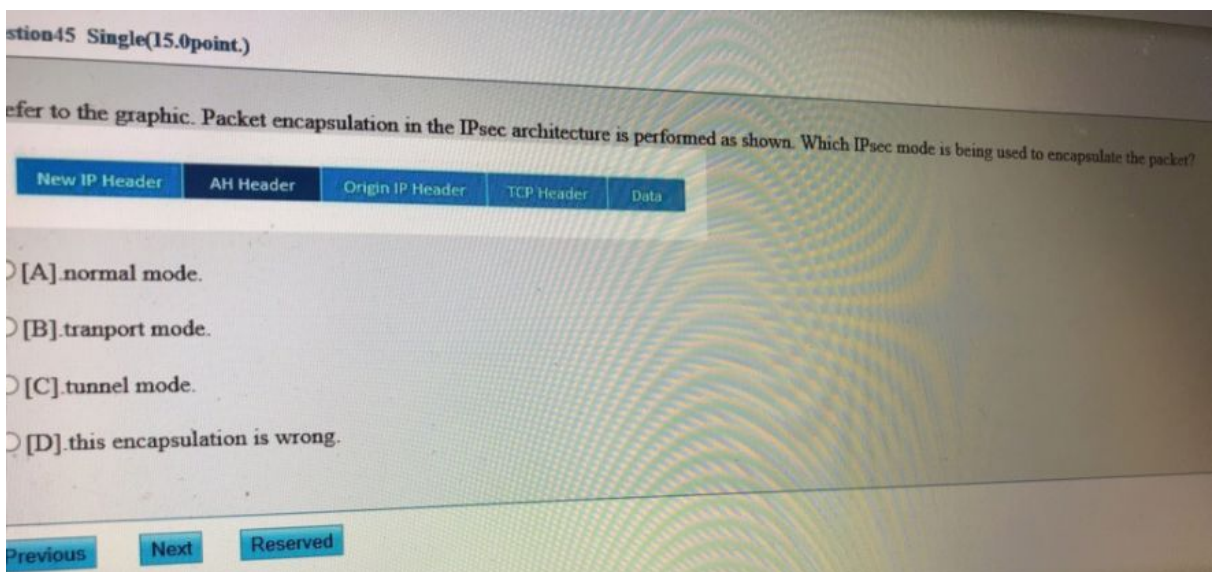
43 c



44 d



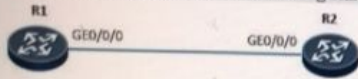
45 c



46 d

Question46 Single(15.0point.)

Refer to the graphic, which of the following statements is true about OSPF topology and configuration?



```
[R1]interface GigabitEthernet0/0/0
[R1-GigabitEthernet0/0/0]ip address 100.1.1.1 255.255.255.0
[R1-GigabitEthernet0/0/0]ospf network-type p2p
[R1-GigabitEthernet0/0/0]ospf dr-priority 100
[R1-GigabitEthernet0/0/0]ospf timer hello 20
[R1]ospf 1
[R1-ospf-1]area 0.0.0.0
[R1-ospf-1-area-0.0.0.0]network 100.1.1.1 0.0.0.0
#
[R2]interface GigabitEthernet0/0/0
[R2-GigabitEthernet0/0/0]ip address 100.1.1.2 255.255.255.0
[R2]ospf 1
[R2-ospf-1]area 0.0.0.0
[R2-ospf-1-area-0.0.0.0]network 100.1.1.2 0.0.0.0
```

- ☐ [A] A stable OSPF neighbor relationship can be set up between R1 and R2.
- ☐ [B] After the default network type of the interface on R1 is restored to broadcast, a stable OSPF neighbor relationship can be set up between R1 and R2.
- ☐ [C] After the default network type of the interface on R1 is restored to broadcast and the hello packet sending interval is changed to 10s, a stable OSPF neighbor relationship can be set up between R1 and R2.
- ☐ [D] Compared with R1, R2 is more likely to become the DR because the DR priority of the interface on R2 is lower than that of R1.

47 b

Question47 Single(15.0point.)

Assuming all STP enabled switches have the same bridge priority. The MAC address of switch A is 00-e0-fc-00-00-40, the MAC address of switch B is 00-e0-fc-00-00-10, the MAC address of switch C is 00-e0-fc-00-00-20, and the MAC address of switch D is 00-e0-fc-00-00-80. Which switch will be elected as the root switch?

- ☐ [A] Switch A.
- ☐ [B] Switch B.
- ☐ [C] Switch C.
- ☐ [D] Switch D.

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48 b

Question48 Single(15.0point.)

An AR2200 router in the company network cannot boot. In order to resolve this, the administrator wishes to update the VRP software. What should he/she do?

- ☐ [A] The administrator should use a console cable to connect the router and host, and directly upgrade the device.
- ☐ [B] The administrator should use FTP to transfer the VRP software, by configuring the AR2200 router as an FTP client.
- ☐ [C] The administrator should use DHCP to boot the AR2200, and then use the AR2200 router as a TFTP client to download the VRP software from the server.
- ☐ [D] The administrator should use the telnet command on the client to remote access the device, and upgrade the VRP software.

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49 b

Question49 Single(15.0point.)

Refer to the command output. Which statement is true regarding this command?

```
ip route-static 10.0.12.0 255.255.255.0 192.168.1.1
```

- ☐ [A]. The configuration represents a static route to the 192.168.1.1 network.
- ☐ [B]. The configuration represents a static route to the 10.0.12.0 network.
- ☐ [C]. The preference value of this configured route is 100.
- ☐ [D]. If the router has learned the same destination network via a dynamic routing protocol, the static route will always take precedence.

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50 c

Question50 Single(15.0point.)

When an administrator first initializes the router, a warning is displayed. Which statement regarding this warning is correct?

<Huawei>

Warning: Auto-Config is working. Before configuring the device, stop Auto-Config. If you perform configurations when Auto-Config is running, the DHCP, routing, DNS, and VTY configurations will be lost. Do you want to stop Auto-Config? [y/n]:

- ☐ [A]. If Auto-Config is required, the administrator should select 'y'.
- ☐ [B]. If Auto-Config is not required, the administrator should select 'n', for which subsequent configuration of the DHCP server, routing, DNS server configuration is lost.
- ☐ [C]. When a device is started for the first time, the Auto-Config function is active.
- ☐ [D]. When a device is started for the first time, the Auto-Config function is inactive.

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Активация Windows
Щелкните здесь, чтобы активировать Windows

51 ab

Question51 Multiple Choice(25.0point.)

Refer to the configuration output. Which of the following statements are true?

<Huawei>reset saved-configuration

Warning: The action will delete the saved configuration in the device.
The configuration will be erased to reconfigure. Continue? [Y/N]:

- ☐ [A]. A user should enter 'Y' when wishing to clear the saved configuration file.
- ☐ [B]. The saved-configuration file that the device starts with can be erased.
- ☐ [C]. The saved-configuration will be deleted after typing N.
- ☐ [D]. The saved-configuration file will be replaced with the current-configuration.

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52 ad

Question52 Multiple Choice(25.0point.)

Which of the following parameters must be specified when configuring static mapping for Frame Relay network?

- ☐ [A]. Local DLCI.
- ☐ [B]. Remote DLCI.
- ☐ [C]. Local network layer protocol address.
- ☐ [D]. Remote network layer protocol address.

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53 abd

Question53 Multiple Choice(25.0point.)

An administrator wishes to update the VRP software of company's AR2200 router. How can this be achieved?

- ☐ [A]. The administrator can use FTP to transfer the VRP software, with the AR2200 router as the FTP client.
- ☐ [B]. The administrator can use FTP to transfer the VRP software, with the AR2200 router as the FTP server.
- ☐ [C]. The administrator can use TFTP to transfer the VRP software, with the AR2200 router as the TFTP server.
- ☐ [D]. The administrator can use TFTP to transfer the VRP software, with the AR2200 router as the TFTP client.

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54 bcd

Question54 Multiple Choice(25.0point.)

Which of the following statements regarding single area OSPF are correct?

- ☐ [A]. An IP address needs to be configured on a loopback interface of each router before configuring an OSPF area.
- ☐ [B]. The value of an area can be from 0.0.0.0 to 255.255.255.255.
- ☐ [C]. A single area can be configured using any supported area number.
- ☐ [D]. All of the links of the network need to be advertised in Area 0.

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55 ad

Question55 Multiple Choice(25.0point.)

Which of the following IPv6 addresses can be configured on a router's interface?

- ☐ [A].fe80:13dc::1/64
- ☐ [B].ff00:8a3c::9b/64
- ☐ [C]::1/128
- ☐ [D].2001:12e3:1b02::21/64

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56 bcd

Question56 Multiple Choice(25.0point.)

Which of the following configurations regarding static route are correct?

- ☐ [A].ip route-static 129.1.0.0 16 serial 0
- ☐ [B].ip route-static 10.0.0.2 16 129.1.0.0
- ☐ [C].ip route-static 129.1.0.0 16 10.0.0.2
- ☐ [D].ip route-static 129.1.0.0.255.255.0.0 10.0.0.2

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57 abc

Question57 Multiple Choice(25.0point.)

Which of the following methods are supported by VRP to configure the router?

- ☐ [A]. Through the Console port.
- ☐ [B]. Through Telnet.
- ☐ [C]. Through the AUX port.
- ☐ [D]. Through FTP.

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58 ae

Question58 Multiple Choice(25.0point.)

In the VRP system, what are the functions of Ctrl+Z?

- ☐ [A]. Return from the system view to the user view.
- ☐ [B]. Exit from the current view.
- ☐ [C]. Exit from the interface view.
- ☐ [D]. Exit from the console interface view.
- ☐ [E]. Return to the user view.

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Question59 Multiple Choice(25.0point.)

Which of the following network types does OSPF support?

- ☐ [A].Point-to-Point.
- ☐ [B].Broadcast.
- ☐ [C].Non-Broadcast Multi-Access.
- ☐ [D].Point-to-Multipoint.

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Question60 Multiple Choice(25.0point.)

Refer to the configuration output. Which following statements are correct?

```
[Huawei]interface GigabitEthernet0/0/1
```

```
[Huawei-GigabitEthernet0/0/1]port link-type trunk
```

```
[Huawei-GigabitEthernet0/0/1]port trunk allow-pass vlan 2 to 4094
```

- ☐ [A].VLAN 1 cannot pass over interface Gigabit Ethernet 0/0/1.
- ☐ [B].VLAN 1 can pass over interface interface Gigabit Ethernet 0/0/1.
- ☐ [C].Prior to changing the link-type to access, the command "undo port trunk allow-pass vlan all" must be used to renew the default configurations.
- ☐ [D].Prior to changing the link-type to access,the command "undo port trunk allow-pass vlan 2 to 4096" must be used to renew the default configurations.

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