

1 A network administrator has captured a data frame in the network with the destination MAC address of 01-00-5E-A0-B1-C3. The correct statement about this MAC address is Q.

- A. It is a unicast MAC address
- B. It is a broadcast MAC address
- C. It is a multicast MAC address (Right Answers)
- D. It is an illegal MAC address

2. Which of the following is not the working principle of CSMA/CD?

- A. Listen While Talk
- B. Retransmission after a fixed time delay (Right Answers)
- C. Conflict suspension
- D. Retransmission after random delay
- E. Listen Before Talk

Answer: B

3. The IPv4 address of the host is 200.200.200.201/30. Which host with the following IPv4 address and its communication do not need to be forwarded by the router?

- A. 200.200.200.1
- B. 200.200.200.202 (Right Answers)
- C. 200.200.200.200
- D. 200.200.200.203

Answer: B

4. If the Ethernet data frame is Length/type=0x0806, which of the following statement is correct? (Multiple Choice)

- A. This data frame is an Ethernet II frame. (Right Answers)
- B. This data frame is an IEEE 802.3 frame
- C. The source MAC address of this data frame must not be FFFF-FFFF-FFFF (Right Answers)
- D. The destination MAC address of this data frame must be FFFF-FFFF-FFFF.

Answer: AC

5. When a router enabled with Proxy ARP function receives an ARP request packet and finds that the requested IP address is not its own, what actions are performed? (Multiple Choice)

- A. If there is a route to the destination address, send its own MAC address to the ARP requester (Right Answers)
- B. Discard the message
- C. Broadcast ARP request message
- D. Find if there is a route to the destination address or not (Right Answers)

Answer: AD

6. Which of the following storage media are commonly used by Huawei routers? (Multiple Choice)

- A. SDRAM (Right Answers)
- B. NVRAM (Right Answers)
- C. Flash (Right Answers)
- D. Hard Disk
- E. SD Card (Right Answers)

Answer: ABCE

7. The Vag operating system commands are divided into four levels: Access level, Configuration level, Development level, and Management level. Which level can run various business configuration commands but cannot operate the file system?

- A. Access level
- B. Configuration level
- C. Development level
- D. Management level

Answer: C

8 On the VRP interface, you cannot use the command delete or unreserved vrpcfg zip to delete files. You must empty them in the recycle bin to delete files completely.
 OA. TRUE
 OB FALSE (Right Answers)

Answer: F

9 The switch MAC address table is existing as follows. which of the following statements is correct?

(fluawei>ictim mac-address

RAC address table of slot 0:

*AC Address	VLAN/ VS1/SI	PtVLAN	CEVLAN Port	Type	(17R Ilk7.1tn1-!
SON -0811-0b49 I		-	Et h0/0/3	stati.	

Total amthias items on slot 0 displayed =

*AC address table of slot C:

*AC Akira:	VLAN/ VSI/SI	PEVLM Cf YLMI Port	Type	LSP/LSR-ID RAC-Tunnel
5489-989d-ld30			Ith0/0/1	*amid 0/-
5485-9895-18a6 I		-	Eth0/0/2	dynamic _ 0/-

total watching Item on slot 0 displayed c 7

E A The MAC address 5489-9885-1838 is manually configured by the administrator.

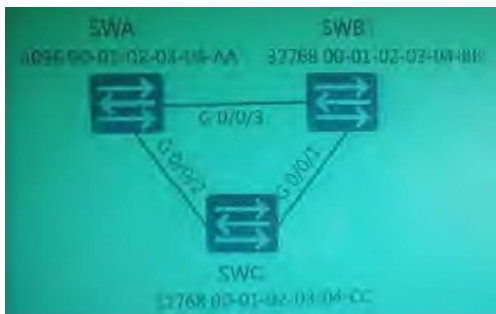
E 13_ The MAC address 5489-9811-0b49 is manually configured by the administrator (Right Answers)

E C. The MAC address 5489-3891-1450 is manually configured by the administrator.

E D. After the switch is restarted, all MAC addresses need to be re-learned.

Answer: 13

10 As shown in the figure below, the switch starts the STP protocol. When the network is stable, which of the following statements are correct? (Multiple Choice)



- A SWB is the root bridge in this network
- B SWA is the root bridge in this network (Right Answers)
- C Both ports of SWB are in Forwarding state (Right Answers)
- D Both ports of SWC are in Forwarding state_

Answer: BC

11 The STP protocol is enabled on both switches shown in the figure below_ An engineer made the following conclusions on this network_ Do you think what is the correct conclusion? (Multiple Choice)

- A The G0/0/2 port of SWB is stable in the Forwarding state (Right Answers)
- B The G0/0/2 port of SWA is stable in the Forwarding state (Right Answers)
- C Both pods of SWB are designated pods_
- D The G0/0/3 part of SWA is stable in the Forwarding state (Right Answers)
- E Both pods of MA are designated pods (Right Answers)

Answer: ABDE

12. Compared to STP protocol, which kind of port role is added in RSTP protocol? (Multiple Choice)

El A. Alternate port (Right Answers)

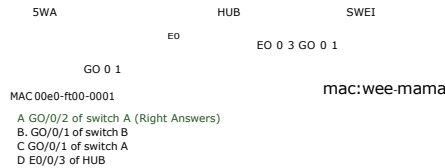
I=1 B. Backup port (Right Answers)

I=1 C. Root port

D. Designated port

Answer: AB

13 As shown in the figure, the two switches use the default parameters to run STP. On Switch A the configuration command STP root primary is used. On the switch B the configuration command STP priority 0 is used. Which of the following ports will be blocked -



Answer: A

14. Which of the following parameters does not the configuration BPDU packet of the STP protocol?

A. Port ID

I=1 B. Bridge ID

C. VLAN ID (Right Answers)

D. Root ID

Answer: C

15. By default, how many seconds are the Forward Delay of STP protocol?

I=1 A. 20

I=1 B. 15 (Right Answers)

El C. 10

1=1 D. 5

Answer: B

16. Which of the following parameters are used in the switched network that runs the STP protocol when performing spanning tree calculations? (Multiple Choice)

7 A. Root path cost (Right Answers)

B. Port ID (Right Answers)

O C. Bridge ID (Right Answers)

E D. Forward Delay

Answer: ABC

17. In the STP protocol, assume that at switches are configured with the same priority. The MAC address of switch 1 is 00-00-en-fc-0600-40, and the MAC address of switch 2 is 011.04,00-00-10, the MAC address of switch 3 is 00-e0-fc-00-00-20, and the MAC address of switch 4 is 00-e0-fc-00-00-80, then the root switch should be ()

17 A. Switch 1

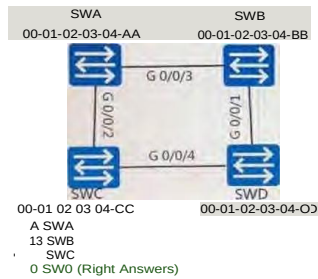
13. Switch 2 (Right Answers)

El C. Switch

El a Switch 4

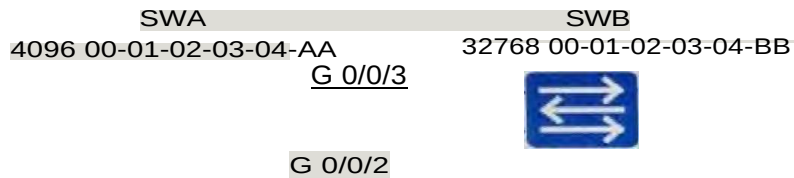
Answer: B

18, The network shown in the figure below, the MAC address of the switch has been marked Enter the command sip root secondary on the SW0 switch. Which of the following switches become the root bridge of this network-



Answer: 0

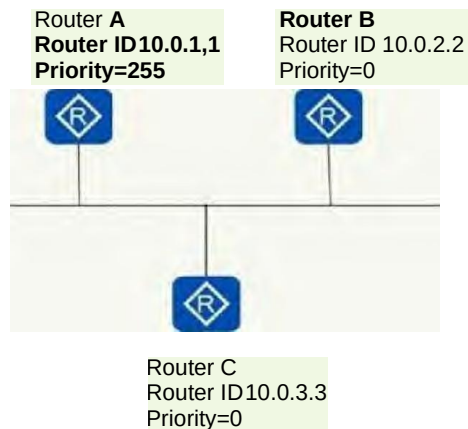
19. Both the two switches shown in the following figure have STP enabled. Which port will eventually be in the Blocking state?



- A. G0/0/2 port of SWA
- B. G0/0/3 port of SWA
- C. G0/0/2 port of SWB
- D. G0/0/3 port of SWB (Right Answers)

Answer:

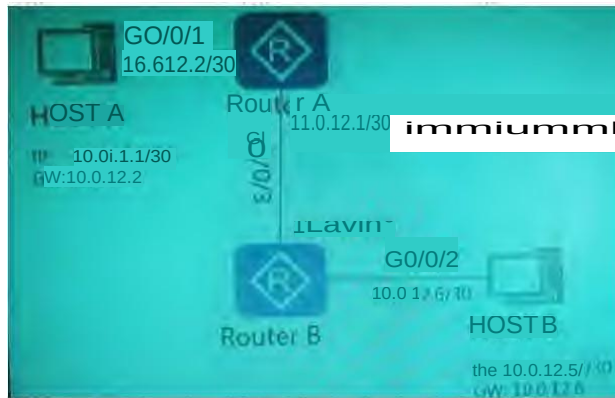
20 The network as shown in the following figure, after the OSPF protocol is stable, what is the neighbor status of Router A and Router B?



- A 2-way
- B. Down
- C Full (Right Answers)
- D. Attempt

Answer: C

21. In the network shown below, which of the following commands can be entered in the router to enable Host A to ping through Host B? (Multiple Choice)

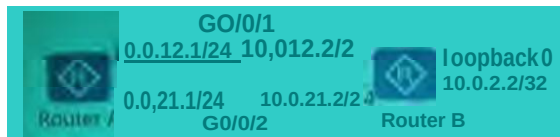


- ☐ A. Router A : ip route-static 10.0.12.5 255.255.255.252 11.0.12.1 Router B : ip route-static 10.0.12.1 255.255.255.252 11.0.12.2
- ☐ B. Router A : ip route-static 0.0.0.0 0.0.0 11.0.12.1 Router B : ip route-static 0.0.0.0 0.0.0 11.0.12.2
- ☒ C. Router A : ip route-static 10.0.12.5 255.255.255.252 11.0.12.2 Router B : ip route-static 10.0.12.1 255.255.255.252 11.0.12.1 (Right Answers)
- ☐ D. Router A : ip route-static 0.0.0.0 0.0.0 11.0.12.2 Router B : ip route-static 0.0.0.0 0.0.0 11.0.12.1 (Right Answers)

Answer: CD

22. The network as shown in the following figure, the following configurations exist on the Router A. Which of the following statements are correct? (Multiple Choice)

```
ip route-static 10.0.2.2 255.255.255.255 10.0.12.2
ip route-static 10.0.2.2 255.255.255.255 10.0.21.2 preference 70
```



- ☒ A. The NextHop that reaches 10.0.2.2 in the routing table of Router A is 10.0.12.2. (Right Answers)
- ☐ B. If the G0/0/1 port is Down, the route that Router A reaches 10.0.0.2 is changed to 10.0.21.2. (Right Answers)
- ☐ C. The NextHop that reaches 10.0.2.2 in the routing table of Router A is 10.0.21.2.
- ☐ D. If the G0/0/2 port is Down, the route that Router A reaches 10.0.0.2 is changed to 10.0.12.2.

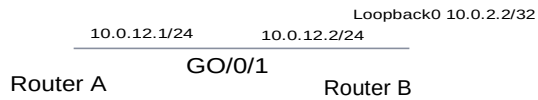
Answer. AB

23. Which of the following OSPF versions are suitable for IPv6?

- ☐ A. OSPFv2
- ☒ B. OSPFv3 (Right Answers)
- ☐ C. OSPFv4
- ☐ D. OSPFv1

Answer: B

24 The network as shown in the following figure, which of the following commands can enable Router A to forward a packet with the destination IP address of 19.0.0.32 (Multiple Choice)



Router C
Loopback0 10.0.3.3/32



- A. ip route-static 10.0.3.3 255 255 255 255 10 0.1 22 (Right Answers)
- B. ip route-static 10 0.2.2 255 255 255 100_12 2 ip route-static 10 0.3 3 255 255 255 10 0 2 2 (Right Answers)
- C. ip route-static 0.0.0.0 0.0.0.0 10 0 122 (Right Answers)
- D. ip route-static 10 0.33 255 255 255 1002 2

Answer: ABC

25. Which of the following about the statement of static routing are incorrect?

- A. Manual configuration by network administrator
- B. Inter-route information needs to be exchanged between routers (Right Answers)
- C. Can not automatically adapt to changes in network topology
- D. Low system performance requirements

Answer: B

26. Which of the following commands can be used to check whether OSPF has correctly established neighbor relationships?

- A. display ospf neighbor
- B. display ospf brief
- C. display ospf peer (Right Answers)
- D. display ospf interface

Answer: C

27 For multiple paths to the same destination network, the router needs to select by comparing the size of the Cost value. If the value of the Cost is the same, then select according to the size of the Preference value.
A. True
B. False (Right Answers)

Answer: B

28. As shown in the figure below, Host A and Host B cannot communicate.



HOST A

HOST B

IP: 10.0.12.1/30

IP: 10.0.12.2/24

MAC: MAC-A

MAC: MAC-B

A. True (Right Answers)

B False

Answer: A

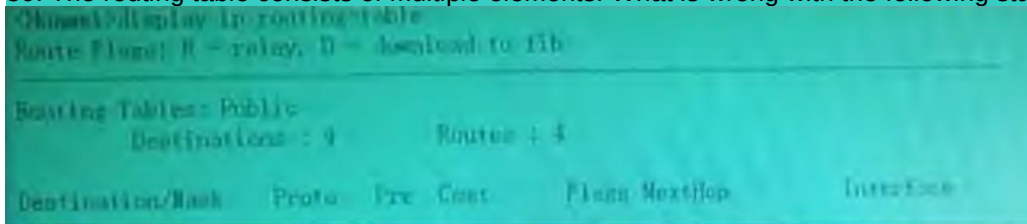
29 For multiple paths to the same destination network, the router needs to select by comparing the size of the Preference value_ If the Preference is the same, then select according to the size of the Cost value.

A True (Right Answers)

B False

Answer: A

30. The routing table consists of multiple elements. What is wrong with the following statement?



k Proto shows to learn the routing protocol of this route

B. NextHop shows the local interface address of this route (Right Answers)

G. Pre shows the priority of this routing protocol

D. Destination/Mask shows the address and mask length of the destination network/host

Answer: B

31 The correct description of the following is 0 (Multiple Choice)

A. The next hop in the routing table is redundant_ If there is an outgoing interface, the packet can be forwarded.

B. Routes obtained through different routing protocols have different priorities (Right Answers)

C. The metrics defined by different routing protocols are not comparable (Right Answers)

D. The metrics defined by different routing protocols are comparable

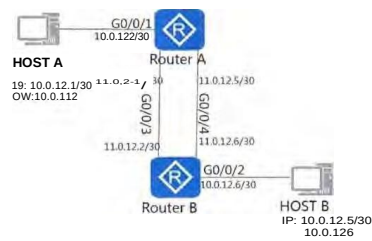
Answer: BC

32. `ip route-static 10.0.2.2 255.255.255.255 10.0.12.2 preference 20`, about this command, which is the correct statement? (Multiple Choice)

- A. The route can guide the data packets forwarding with the destination IP address of 10.0.2.2. (Right Answers)
- B. The route can guide the data packets forwarding with the destination IP address 10.0.12.2.
- C. The priority of the route is 20 (Right Answers)
- D. The NextHop of the route is 10.0.12.2 (Right Answers)

Answer: ACD

33. The network as shown in the following figure, when the network administrator performs traffic planning, it is expected that the packets sent by Host A to Host B will be connected to G0/0/3 interface between the routers. The packets sent by Host B to Host A go pass the G0/0/4 interface between routers. Which of the following commands can implement this requirement? (Multiple Choice)



- A. Router A ip route-static 10.0.12.5 255.255.255.252 11.0.12.2 Router B ip route-static 10.0.12.1 255.255.255.252 11.0.12.5 (Right Answers)
- B. Router A ip route-static 0.0.0.0 0.0.0.0 11.0.12.6 Router B ip route-static 0.0.0.0 0.0.0.0 11.0.12.1
- C. Router A ip route-static 10.0.12.5 255.255.255.252 11.0.12.6 Router B ip route-static 10.0.12.1 255.255.255.252 11.0.12.1
- D. Router A ip route-static 0.0.0.0 0.0.0.0 11.0.12.2 Router B ip route-static 0.0.0.0 0.0.0.0 11.0.12.5 (Right Answers)

Answer: AD

34. If the IP address requested by the DHCP client is already occupied, which packet will the DHCP server use as the response?

- A. DHCP ACK
- B. DHCP RELEASE
- C. DHCP NAK (Right Answers)
- D. DHCP DISCOVER

Answer: C

35. The DHCP REQUEST message must be sent in broadcast form.

- A. True
- B. False (Right Answers)

Answer: B

36. Which DHCP message does the DHCP client send when it wants to **leave** the network?

- A. DHCP DISCOVER
- B. DHCP RELEASE (Right Answers)
- C. DHCP REQUEST
- D. DHCP

ACK

Answer: B

37. Huawei devices can be managed using the Telnet protocol. Which of the following statements is correct about this management function?

- A. The port number used by Telnet defaultly is 22, which cannot be modified
- B. Telnet must enable the VTY interface, and the maximum is 15 (Right Answers)
- C. Telnet does not support authentication based on username and password
- D. Telnet does not support deploying ACLs to increase security.

Answer: B

38 As shown, the topology and the configuration on the switch interconnect pod, you can determine that the data frame labeled as VLAN 10 can be forwarded normally between the two switches.

GEO 1 GE 1

LSW1 LSW2

```

[LSW1]interface GigabitEthernet0/0/1
[LSW1-GigabitEthernet0/0/1]Port link-type trunk
[LSW1-GigabitEthernet0/0/1]Port trunk pvid vlan 20
[LSW1-GigabitEthernet0/0/1]Port trunk allow-pass vlan 10
[LSW2]interface GigabitEthernet0/0/1
[LSW2-GigabitEthernet0/0/1]Port link-type trunk
[LSW2-GigabitEthernet0/0/1]Port trunk pvid vlan 10
[LSW2-GigabitEthernet0/0/1]Port trunk allow-pass vlan 10
  
```

A True
 B False (**Right Answers**)

Answer: B

30 The output information of a port of the switch is as follows. What is wrong with the following statement?

```

interface GigabitEthernet0/0/1 port link-
type trunk
port trunk pvid vlan 100
port trunk allow-pass vlan 100 200
  
```

- A. The data frame carries a VLAN TAG of 200, the switch strips the VLAN TAG and sends out (**Right Answers**)
- B. If the port receives a data frame without VLAN TAG, the switch needs to add VLAN TAG 100.
- C. The link type of the port is Hybrid type.
- D. If the data frame carries a VLAN TAG of 100, the switch strips the VLAN TAG and sends out.

Answer: A

40 Which information of the data frame is judged by the VLANIF interface to perform Layer 2 forwarding or Layer 3 forwarding?

- A. Destination MAC (**Right Answers**)
- B. Source IP
- C. Destination pod
- D. Source MAC

Answer: A

41 Packets forwarded between two routers must not carry VLAN TAG. **A True**

B False (Right Answers)

Answer: B

42. The Priority field in the VLAN tag identifies the priority of the data frame. What is the priority range?

- A. 0-15
- B. 0-63
- C. 0-7 (**Right Answers**)
- D. 0-3

Answer: C

43.What is the characteristic of port-based VLAN partition?

- A. Add a VLAN tag to the data frame based on the IP address carried in the packet.
- B. Assign the VLAN ID according to the protocol type and encapsulation format of the data frame.
- G. The host moving location no need to reconfigure the VLAN
- D. The host moving location needs to reconfigure VLAN (**Right Answers**)

Answer: D

44. The Protocol field in the PPP frame format is 0xC223, indicating that the protocol is:

- A.CHAP (Right Answers)**
B.PAP
C.NCP
D.LCP

Answer:

A

45 The configuration information of a router is as follows. Which combination of username and password used by the peer router can enable PPP channel associated to complete authentication?

[illegible]

- El A. Username: (esti Password: (esti
 B Llwname: test Password: test (Right Answers)
 C. Username: test2 Password: test
 • Lusername: test2 Password:
 test2

Answer: B

46.Which method does the PPPoE client use to send PADI packets to the Server?

- A. Broadcast (Right Answers)**
B. Unicast
C. Multicast
D. Anyca

st

Answer:

A

47The network shown in the following figure requires the network where the host is located to access the Internet through Easy IP. Which of the following ACL5 should be used on the 00/0/3 interface of the muter?

A. ad number 2000 rub 5 permit source 10 0.13.1 0 0 0 0
B. act number 2000 rub 5 permit source 10
0.120 00 0255 G ad number 2000 rub 5 permit
source 100 12_1 00 00
B. act number 2000 rub 5 permit source 100_13 0 0 0 0 255 (Right

Answers) Answer: 0

48 The configuration information of a router is as follows Which of the following statement is correct? (Multiple Choice)

ISOM

```
authent i cal ien..schme default
authentication-scheme huawei
  authentication-mode radius
authorization-scheme default
authorisation-scheme huawei
accounting-scheme*, default domain
default
domain default_admin domain
huawei
  authentication-schema huawei
  authorization-scheme huawei
local-user huawei password cipher 1.23956
local-user huaweitthuawei password cipher GS41321.
```

ke

N The domain which domain name is huawei does not use the accounting scheme **(Right Answers)**

B. if the username huawei is used for authentication, the password needs to be 654321.

C. The authorization mode used by the domain which domain name is huawei is local authorization. (Right Answers)

D. The authentication mode used by the domain which domain name is huawei is local authentication.

Answer: AC

49. The IKE protocol is used to establish an SA for IPsec auto-negotiation, which can support identity authentication when the address of the initiator of the negotiation changes dynamically A True (Right Answers)
B.

False

Answer:

A

50. By default, in the SNMP protocol, which port number is used by the proxy process to send an alarm message to the NMS?

A 163

B. 161

C 162 (Right

Answers) D. 164

Answer: C

51. If the result of the packet matching ACL is "reject", the packet is finally discarded.

A. True

B. False (Right Answers)

Answer: B

52. In terms of security, [Psec tunnel mode is superior to [Psec transport mode.

A. True (Right Answers)

B. False

Answer:

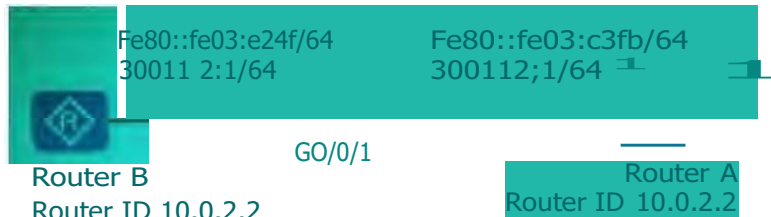
A

53. What is the status of the OSPFv3 adjacency relationship after it is established?

- ☒ A. Loading
- ☐ B. 2-way
- ☐ C. Full (Right Answers)
- ☐ D. Down

Answer: C

54. The network as shown in the following figure, when OSPFv3 is enabled on all interfaces, Router A and Router B cannot establish adjacencies.



- ☐ A. True (Right Answers)
- ☐ B. False

Answer: A

55. Which of the following fields are fields that exist in both IPv6 and IPv4 headers? (Multiple Choice)

- ☐ A. Source Address (Right Answers)
- ☒ B. Version (Right Answers)
- ☐ C. Destination Address (Right Answers)
- ☐ D. Next Header

Answer: ABC

56. What is the destination address of the DHCPv6 request packet?

- ☐ A. FF01::1:2
- ☒ B. FF02::1:2 (Right Answers)
- ☐ C. FF02::1
- ☐ D. FF02::2

Answer: B

57. By default, how many seconds is the period of OSPFv3 HELLO packet sending on the Ethernet link?

- ☐ A. 30
- ☒ B. 10 (Right Answers)
- ☐ C. 20
- ☐ D. 40

Answer: B

58. Which of the following fields does the MPLS header include? (Multiple Choice)

A. Label (Right Answers)

- **EXP (Right Answers)**
- TTL (Right Answers)**
- Tas

Answer: ABC

59 SR (Segment Routing) defines a destination address prefix/node and adjacency in the network as segments, and assigns SIDS (Segment IDs) to the segments. By performing an unordered list of Adjacency SIDS and Prefix/Node SIDS (destination address prefixes/node segments), a forwarding path is obtained

A True

11 False (Right

Answers) Answer: B

60 The ARP protocol can resolve the MAC address of the target device according to the destination IP address, thereby, to map the link layer address and the IP address A True (Right Answers)

B. False

Answer: A

61 The Traceroute diagnostic tool records the TTL of each ICMP TTL timeout message so that the user can be provided with the IP address of the packet when it arrives at the destination_ A Destination port

B. Source port

C Destination IP address

D. Source IP address (Right

Answers) Answer: D

62. VLSM can expand any IP network segment, including Class D addresses.

A. True

B. False (Right

Answers) Answer: B

63_ Which fields in the IPv4 header are related to sharding?

(Multiple Choice) **A_ Fragment Offset (Right Answers)**

- **Flags (Right Answers)**
- G. Total Length (Right Answers)**
- Identification (Right Answers)**

Answer: ABD

64. The pwd and dir commands in the VRP operating platform can view the file information in the current directory. A_ True

B. False (Right Answers)

Answer: 13

65. The output information of a router is as follows. Which of the following statement is correct? (Multiple Choice)

```
<Huawei>display startup
MainBoard:
Startup system software: flash:/AR2220E-V200R007C00SPC600.cc Next startup
system software: flash:/AR2220E-V200R007C00SPC600.cc Backup system software
for next startup: null
Startup saved-configuration file: flash:/vrpcfg.zip Next startup
saved-configuration file: flash:/backup.zip Startup license file:null
Next startup license file: null
Startup patch package: Null
Next startup patch package: null
Startup voice-files: null
Next startup voice-files: null
```

☐ A. The currently used VRP version file is the same as the VRP file used for the next startup. **(Right Answers)**

☐ B. The currently used VRP version file is different from the VRP file used for the next startup.

☐ C. The currently used configuration file is different from the one used for the next

startup. **(Right Answers)** ☐ D. The currently used configuration file is the same as the one used for the next startup.

Answer: AC

66. For a switch running STP, the port can be directly converted to the Disabled state in any state.

A.True (Right Answers)

B.False

e

Answer:

A

67. Which of the following MAC addresses will not age? (Multiple Choice)

A. Dynamic MAC address

B. Black hole MAC address (Right Answers)

C. Static MAC address (Right Answers)

D. Port MAC

address Answer:

BC

68. By default, the bridge priority of a switch is 32768.

A. True (Right Answers)

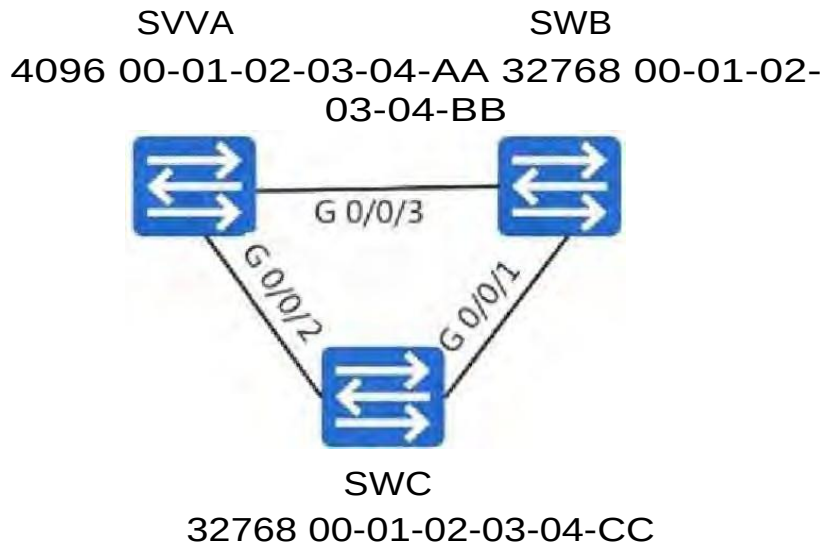
B. False

e

Answer:

A

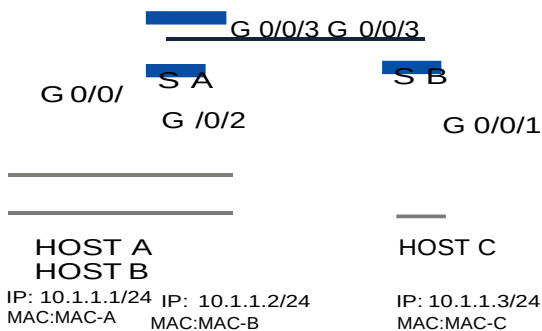
69. Which port of the following switches is blocked as shown in the following figure?



- A. G0/0/2 of SWC
- B. G0/0/1 of SWC (Right Answers)**
- C. G0/0/3 of SWB
- D. G0/0/3 of

SWA Answer: B

70. As shown in the following figure, all hosts can communicate normally. What is the correct relationship between the SWB MAC address and the port?



- A. MAC-A G0/0/3 MAC-B G0/0/3 MAC-C G0/0/1 (Right Answers)**
- B. MAC-A G0/0/1 MAC-B G0/0/2 MAC-C G0/0/3
- C. MAC-A G0/0/2 MAC-B G0/0/2 MAC-C G0/0/3
- D. MAC-A G0/0/1 MAC-B G0/0/1 MAC-

C G0/0/3 Answer: A

71. A switch running STP protocol will send TCN BPDUs only when a port on the switch fails.

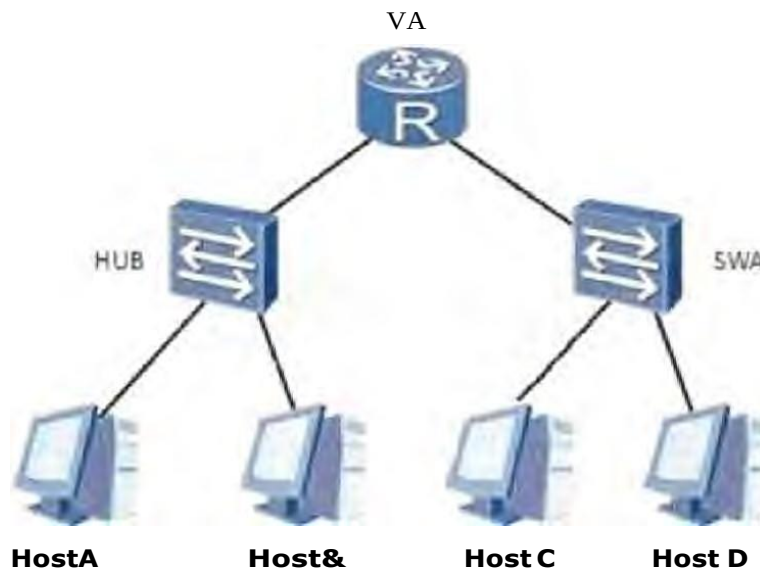
- A. True
- B. False (Right Answers)**

Answer: B

72. How many bits of the Port ID total length in the spanning tree protocol? EI A. 16 (Right Answers)
EI B. 4
EI C. 2
EI ID 8

Answer: A

73. As shown in the figure, the correct description about this network topology is 0.



A. There are 6 collision domains in this network. 111 B. There are 6 broadcast domains in this network.
C. There are 12 collision domains in this network.
EI D. There are 2 broadcast domains in this network. (Right Answers)

Answer: D

74. Which of the following statements about the Backup port in the RSTP protocol is correct?
O A. Backup port as a backup of the designated port, providing another backup path from the root bridge to the corresponding network segment (Right Answers) O B. Backup port not only forwards user traffic but also learns MAC address
C C. Backup port does not forward user traffic but learns MAC address
0 D. Backup port provides another switchable path from the designated bridge to the root as the backup

port of the root port Answer: A

75. A network consisting of switches does not have STP enabled. A Layer 2 loop must occur.
A. True
B. False (Right

Answers) Answer: B

76_ When a port running the standard STP protocol receives a suboptimal BPDU, it immediately sends its own configuration BPDU from this port_

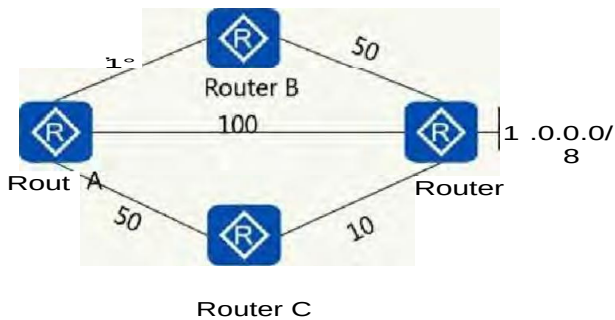
- A.True (Right Answers)
- B.False

e

Answer:

A

77 As shown in the following figure, all routers run OSPF protocol_ The top of the link is the size of the Cost value_ What is the path of the RA to the network 10 0 0 NB'?



- A.A-B-D
- B.PA can not reach 10.0.0.0/8
- C A-D
- D A-C-D (Right Answers)

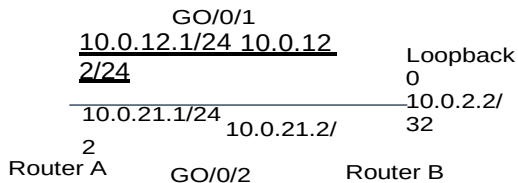
Answer: D

78 Which of the following statements about OSPF neighbor status is correct? (Multiple Choice)

- A.In the Exchange state, the routers send each other a DD packet containing the summary of the link state information to describe the content of the local LSDB (Right Answers)
- B.The master-slave relationship of OSPF is formed in the ExStart state (Right Answers)
- C_ After the router LSDB is synchronized, it is converted to the Full state_ (Right Answers)
- D_ The serial number of the DD packet is determined in the Exchange state_

Answer: ABC

79.On the network shown in the following figure, the administrator wants Router A to use static routes to send packets to Router B priority through GO/0/1 Which command can be used to meet this requirement?



- A. ip route-static 100 22 255.255.255.255 10 0 12 2 ip route-static 10 0 22 255.255.255.255 10 0 212 preference 40
- B. ip route-static 10 0 2 2 255.255.255.255 10 0 122 ip route-static 10 0 2 2 255.255.255.255 10 0 212 preference 70 (Right Answers)
- C ip route-static 10 0 22 255.255.255.255 100 12 2 ip route-static 10 0 22 255.255.255.255 10 0 212
- D ip route-static 10 0 2 2 255.255.255.255 10 0 12 2 preference 70 ip route-static 10 0 2 2

255.255.255.255 10 0 21.2 Answer: B

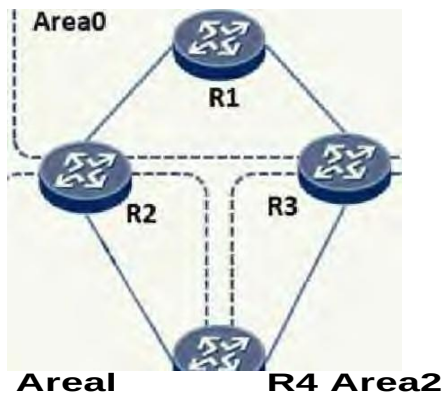
80 ip route-static 10 0 12 0 255 255.255 0 192.168.1.1

The correct description about this command is 0.

- A.The priority of this route is 100
- B.This command configures a route to the 192.168.1.1 network_
- C This command configures a route to the 10_0 12 0 network. (Right Answers)
- D. if the router learns the route of the same destination network as this route through other protocols, the router will prefer this route.

Answer: C

81 Network structure and OSPF partition as shown in the figure, except for R1, routers R2, R3 and R4 are ABR routers of OSPF.



- A True
- B. False (Right Answers)

Answer: B

82[R1] ospf
[R1-ospf-1 area 1
[R1-ospf-1-area-00 0 1] netted< 10 0.12 0 0 0 0255

As shown in the configuration, the administrator has configured OSPF on R1, but R1 cannot learn the routes of other routers. The possible reason is () (Multiple Choice) A This router is not configured with authentication, but the neighbor router is configured with authentication (Right Answers)
B The OSPF process 10 is not configured when this router is configured_
C The area ID configured by this router is different from the area ID of its neighbor router (Right Answers)
B. This router does not announce the network connecting neighbors when configuring OSPF (Right Answers)

Answer: ACID

83.Which of the following data packets is the OSPF protocol encapsulated in?

- A.IP (Right Answers)
- B. liTTP
- C. UDP
- D. TGP

Answer: A

84Whichi of the following about the default route is correct!
(Multiple Choice) A The default route can only be manually configured by the administrator.

- B In the routing table the default route appears as a route to the network 0 0 0 0 (the mask is also 0 0 0 0) (Right Answers)
- C There must be a default route in the routing table of any router
- D If the destination address of the packet cannot match any destination address of the routing table, the packet will be forwarded by selecting the default route (Right Answers)

Answer: BD

85 When configuring a static route on a broadcast interface, you can configure a static route by specifying the next hop address or outbound interface_

- A True
- B False (Right Answers)

Answer: B

86. Which of the following attributes cannot be used as a parameter to measure Cost?

111 A. Delay

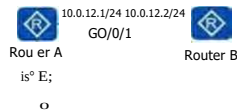
111 B. sysname (Right Answers)

El C. Hop count

D. Bandwidth

Answer: B

87. As shown in the following figure, Router A and Router B establish an OSPF neighbor relationship. The OSPF process ID of Router A is 1 and the area ID is 0. Which of the following methods can enable Router B to obtain the route of the network segment where Host A is located? (Multiple Choice)



O A ospf t area 0.0.0.0 network 192.168.1.0.0.0.255 0 (Right Answers)

FA B ospf 1 import-route direct 0 (Right Answers)

P C. ospf 1 area 0.0.0.0 network 192.168.0.0.0.0.255 255 (Right Answers)

D ospf 1 area 0 0 0 network 192 168 1 2 0.0.0.0 0 (Right Answers)

Answer: ABCD

88. Which of the following fields does not contain in HELLO packets of OSPF protocol?

El A. Neighbor

11] B. sysname (Right Answers)

CI C. Hello Interval

CI D. Network Mask

Answer: B

89. What are the roles of OSPF DR and BDR? (Multiple Choice)

A. Reduce the number of adjacencies (Right Answers)

111 B. Reduce the type of OSPF packets

C] C. Reduce the time it takes to establish adjacency

CI D. Reduce the number of exchanges of link state information (Right Answers)

Answer: AD

90. Which of the following are routing protocols? (Multiple Choice)

CI A. BGP (Right Answers)

El B. IPX

111 C. OSPF (Right Answers)

111 D. IP

Answer: AC

91. A company network administrator wants to be able to remotely manage branch network devices. Which of the following protocols will be used?
- A. VLSM
 - B. Telnet (Right Answers)
 - C. RSTP
 - D. CID

R

Answer:

B

92. Which of the following message types does DHCP contain? (Multiple Choice)
- A. DHCP ROLLOVER
 - B. DHCP DISCOVER (Right Answers)
 - C. DHCP REQUEST (Right Answers)
 - D. DHCP OFFER (Right

Answers) Answer: BCD

93. Telnet is based on the TCP protocol.
- A. True (Right Answers)
 - B. Fals

e

Answer:

A

95. What should do when the Access port sends a data frame?
- A. Replace VLAN TAG forwarding
 - B. Stripping TAG forwarding (Right Answers)
 - C. Mark PVID forwarding
 - D. Send a message with TAG

Answer: B

96. If the configuration information of a port on a switch is as follows, when this port sent the data frames of which VLAN, the VLAN TAG is stripped?

```
interface GigabitEthernet0/0/1
port hybrid tagged vlan 2 to 3100
port hybrid untagged vlan 4 6
```

- A. 4,5,6
- B. 4,6
- C. 1,4,6 (Right Answers)
- D. 1,4,5,6

Answer: C

97. The configuration information of a port on the switch is as follows, when the port sends the data frame of which VLAN TAG is carried, the VLAN TAG is stripped?

*:

```
interface GigabitEthernet0/0/1 port link-
type trunk
port trunk pvid vlan 10
port trunk allow-pass vlan 10 20 30 90
```

- A 10 (Right Answers)
- B 20
- C 30
- D 40

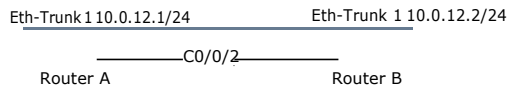
Answer: A

98. When a port of the switch sends a data frame carrying the same VLAN TAG and PVID, it must strip the VLAN TAG forwarding.

- A. True
- B False (Right Answers)

Answer: B

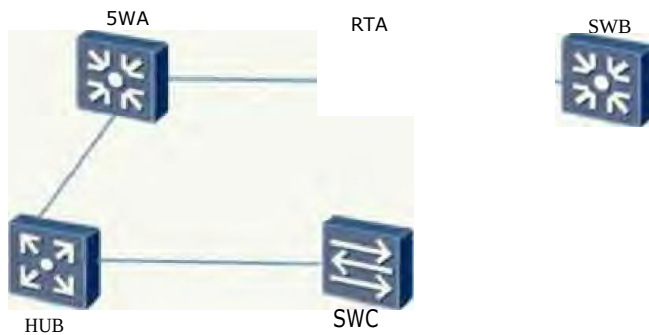
99 As shown in the following figure, Router A uses manual link aggregation and adds G0/0/1 and G0/0/2 ports to aggregation group 1 The incorrect statement about the status of Router A aggregation port 1 is:



- A. Only shut down G0/0/2 of Router B, Eth-Trunk 1 protocol up
- Turn off G0/0/1 and G0/0/2 ports on Router B at the same time, Eth-Trunk 1 protocol up (Right Answers)
- a Only shut down G0/0/1 of Router B, Eth-Trunk 1 protocol up
- B. Turn off G0/0/1 and G0/0/2 ports on Router B at the same time, Eth-Trunk 1 protocol down

Answer: B

100. In the network shown in the figure the correct description of the following is:



- A. The network between RTA and SWC is the same collision domain.
- B. The network between SWA and SWC is the same broadcast domain. (Right Answers)
- C. The network between SWA and SWC is the same collision domain. (Right Answers)
- D. The network between SWA and SWB is the same broadcast domain.

Answer: BC

109. When NAT uses a dynamic address pool, addresses in the address pool can be reused, that is, the same IP is mapped to multiple intranet (Ps at the same time

- A True
- B False (Right Answers)

Answer: B

102. Which of the following values is used in the LengthType field of the Ethernet data frame, indicating that the packet is in the PPPoE discovery phase? A. 0x0800
B. 0x8863 (Right Answers)
C. 0x8864
D. 0x0806

Answer, B

- 103.Regarding PPP configuration and deployment; which of the following statement is correct?

- A.PPP does not support mutual authentication
- B.PPP cannot modify keepalive time
- C. PPP cannot be used to deliver IP addresses.
- D.PPP supports CHAP and PAP authentication modes. (Right Answers)

Answer: D

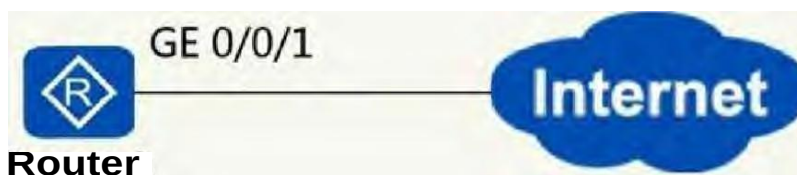
104. On the Huawei device, if AAA authentication is used for authorization, when the remote server does not respond, authorization can be performed from the network device side.

A. True (Right Answers)
B. False

Answer: A

105. As shown in the network, the configuration information of Router A is as follows. Which of the following statement is wrong? acl number 2000
rule 5 deny source 200.0.12.0 0.0.0.7
rule 10 permit source 200.0.12.0 0.0.0.15

```
interface
GigabitEthernet0/0/1
traffic-filter outbound acl
2000
```



- A. The host with the source IP address of 200.0.12.2 cannot access the Internet.
- B. The host with the source IP address of 200.0.12.6 cannot access the Internet.
- C.The host with the source IP address of 200.0.12.8 cannot access the Internet. (Right Answers)
- D. The host with the source IP address of 200.0.12.4 cannot access the Internet.

Answer: C

- 106.Based on ACL rules, which of the following types can an ACL be classified into? (Multiple Choice)

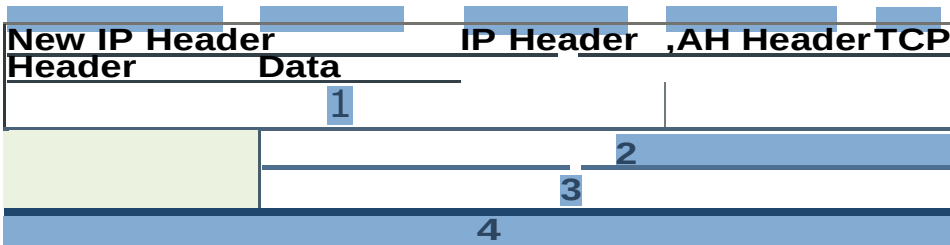
- A.Layer 2 ACL (Right Answers)
- B.User ACL
- C. Advanced ACL (Right Answers)
- D. Basic ACL (Right

Answers) Answer: ACD

107. The Management Information Base MIB is a virtual database that is stored on the NMS. ☐ A. True
☒ B. False (Right Answers)

Answer: B

108. As shown in the following figure, what is the scope of AH protocol authentication in IPsec tunnel mode?



- ☐ A. 1
☐ B. 2
☐ C. 3
☒ D. 4 (Right Answers)

Answer: D

109. The ACL on the AR G3 series router supports two matching sequences: configuration order and automatic sorting. ☒ A. True (Right Answers)
☐ B. False

Answer: A

110. The requested node multicast address consists of the prefix FF02::1:FF00:0/104 and the last 24 bits of the unicast address. ☒ A. True (Right Answers)
☐ B. False

Answer: A

111. How many seconds is the period of the OSPFv3 HELLO packet on the P2P link by default? ☒ A. 10 (Right Answers)
☐ B. 20
☐ C. 30
☒ D. 40

Answer: A

112. The multicast address FF02::2 indicates all routers in the link-local range. ☒ A. True (Right Answers)
☐ B. False

Answer:

A

113. The basic header length of an IPv6 message is a **fixed** value.

- A. True (Right Answers)
- B. False

Answer: A

114. IPv6 address 2001: AB EF 22 4E: FF E2: BC CO: CD OO: DD BE 8D 58 cannot be abbreviated.

- A. True (Right Answers)
- B. False

Answer: A

115. The router Router D neighbor relationship is as follows Which of the following statement is

correct? (Multiple Choice) (Router D>display ospfv3 peer 10. 0. 3. 3 verbose
OSPFv3 Process (1)

Neighbor 10. 0. 3. 3 is 2-Way, interface address FE80::MO:FCFF :4ECS

In the area 0.0.0.0 via interface GEC/0/0

DR Priority is 1 DR is 10.0.2.2 BDR is

10.0.1.1 Options is 01000013

Dead timer due in 00:00:35 Neighbour

is up for 00:00:00 Database Synchronization

Packets List 0 Link State Request List 0

Link State Retransmission List 0

Neighbour Event: 2

Neighbour If Id :

- A. The router-ID of the DR router is 10.0.2.2. (Right Answers)
- B. The router-ID of the DR router is 10.0.1.1.
- C. This router is a DR Other router (Right Answers)
- D. This router and the router with Router-ID 10.5.3.3 cannot directly exchange link state information. (Right Answers)

Answer: ACD

116. SRGB (segment routing global block). A local label set reserved for the global segment. In MPLS and IP, SRGB is a collection of local labels reserved for global labels.

- A. True
- B. False (Right Answers)

Answer: B

117. One of the reasons for the emergence of SR (Segment Routing) is that there are some factors that restrict the development of traditional LSP. What are the correct descriptions about LSP of the following? (Multiple Choice)

- A. LSP calculation depends on IGP. When IGP and LSP are not synchronized, it will cause black holes and affect the service (Right Answers)
- B. LSP itself has 11 kinds of protocol packets, which greatly increases link bandwidth consumption and device CPU utilization. (Right Answers)
- C. LSP only supports IGP shortest path (minimum overhead) for path calculation, and does not support traffic engineering. (Right Answers)
- D. LSP cannot implement automatic label

allocation Answer: ABC

118. The network administrator wants to be able to effectively use the IP address of the 192.168.176.0/25 network segment. Now the company's marketing department has 20 mainframes, it is best to assign which of the following address segment to the marketing department?

- A. 192.168.176.160/27
- B. 192.168.176.96/27 (Right Answers)
- C. 192.168.176.0/25
- D. 192.168.176.4W29

Answer: B

119. When using the ping command on the VRP platform, do you need to specify an IP address as the source address of the echo request message, which of the following parameters should be used? When using the ping command on the VRP platform, if you need to specify an IP address as the source address of the echo request message, which of the following parameters should be used?

- A. -s
- B. -a (Right Answers)
- C. -4
- D. -n

Answer:

B

120. Which of the following types of addresses cannot be used as the IPv4 address of host?

- A. Class A address
- B. Class B address
- C. Class C address
- D. Class D address (Right Answers)**

Answer: D

121. A company applies for a Class C IP address segment, but it is assigned to 6 subsidiaries. The largest subsidiary has 26 computers. Different subsidiaries must be in different network segments. So the network subnet mask of the largest subsidiary should be set to 0.

C A 255.255.255.224 (Right Answers)

17 B.

255.255.255.128

C C. 255.255.255.0

E 0. 255.255.255.192

Answer: A

122. Which of the following statement about the transport layer protocol is correct? (Multiple Choice)

- A. **UDP** uses the SYN and ACK flags to request to establish a connection and confirm the connection.
- B. Well-known port number range is 0-1023 (Right Answers)
- C. UDP is suitable for transmitting delay-sensitive traffic and can be reorganized according to the sequence number field in the message header.
- D. The establishment of a TCP connection is a three-way handshake process, and the termination of a TCP connection is subject to a four-way handshake. (Right Answers)**

Answer: BD

123. Which of the following commands can modify the device name to huawei?

- A. rename huawei
- B. sysname huawei (Right Answers)**
- C. do name huawei
- D. hostname huawei

Answer: B

124. The administrator wants to update the VRP of the AR2200 router. The correct method is (). (Multiple Choice)

- A. The administrator configures the AR2200 as a TFTP server to transmit VRP software through TFTP.
- B. The administrator configures the AR2200 as a TFTP client to transmit VRP software through TFTP. (Right Answers)**
- C. The administrator configures the AR2200 as an FTP server to transfer VRP software through FTP. (Right Answers)**
- D. The administrator configures the AR2200 as an FTP client to transfer VRP software through FTP. (Right Answers)**

Answer: BCD

125. What are the command line views existing on the VRP operating platform?

- A. Interface view (Right Answers)**
- B. User view (Right Answers)**
- C. Protocol view (Right Answers)**
- D. System view (Right Answers)**

Answer: ABCD

126. Which bridge ID is not possible in the configuration BPDU sent by the switch? A. 4096 01-01-02-03-04-05 (Right Answers)
B. 0 10-01-02-03-04-05
C. 32768 06 01 02 03 04 05
D. 0 00-01-02-03-04-05

Answer: A

127. In a switch networking, if a loop occurs, it may cause a broadcast storm.
A. True (Right Answers)
B. False

Answer: A

128. The loop protection function provided by the RSTP protocol can take effect only on the specified port.
A. True (Right Answers)
B. False

Answer: A

129. In the RSTP protocol, the edge port loses the edge port attribute when it receives the configuration BPDU message.
A. True (Right Answers)
B. False

Answer: A

130. When STP is running on Huawei Sx7 series switches, the priority of the switch is 0 by default. A. 8192
B. 32768 (Right Answers)
C. 16384
D. 4096

Answer: B

131. Which of the following statement about the role of the STP protocol Forward Delay is correct?
A. Reduce the time interval for BPDU transmission
B. Delay in the transition of Blocking state and Disabled state
C. Improve the convergence speed of STP
D. Improve the BPDU lifetime and ensure that the configuration BPDU can be forwarded to more switches.
E. Preventing temporary loops (Right

Answers) Answer: E

132. What is the correct statement about the static MAC address table?
A. The user is manually configured and delivered to each interface board. The entries cannot be aged. (Right Answers)
B. By viewing the static MAC address entry, you can determine whether there is data forwarding between the two connected devices.
C. Static MAC address entries are lost after the system is reset, the interface board is hot swapped, or the interface board is reset.
D. You can obtain the number of users communicating on the interface by viewing the number of static MAC address entries.

Answer: A

133. Which parameter is used in the spanning tree protocol to elect the root bridge?

- A. Port ID
- B. The system name of the switch
- C. Root path cost
- D. Bridge ID (Right Answers)**

Answer: D

134. The administrator finds that the two routers stay in the TWO-WAY state when establishing an OSPF neighbor, the correct description of the following is ()

- A. The router is configured with the same zone ID
- B. These two routers are DR Other routers in the broadcast network. (Right Answers)**
- C. The router is configured with the wrong router ID
- D. The router is configured with the same process ID

Answer: B

135. An AR2200 router has the route entries to the same network through OSPF and RIPv2. The cost of the route learned through OSPF is 4882. The number of hops learned through RIPv2 is 4. The routing table of the router will have ()
A. OSPF and RIPv2 routing
B. 8 OSPF routing (Right Answers)
C. Both do not exist
D. RIPv2 routing

Answer: B

136. When the router forwards the datagram, the data link layer needs to be re-encapsulated every time a data link layer packet is passed.

- A. True (Right Answers)**
- B. False

Answer: A

137. Which of the following network types does the OSPF protocol support? (Multiple Choice)

- A. Broadcast type (Right Answers)**
- B. Point-to-point (Right Answers)**
- C. Point-to-point type (Right Answers)**
- D. NBMA (Right Answers)**

Answer: ABCD

138. Which of the following are the stable states of OSPF neighbor relationships? (Multiple Choice)

- A. Down (Right Answers)**
- B. Full (Right Answers)**
- C. 2-way (Right Answers)**
- D. Attempt

Answer:

ABC

139. Which of the following routing protocols are dynamic routing protocols? (Multiple Choice)

- A. OSPF (Right Answers)**
- B. BGP (Right Answers)**
- C. Direct
- D. Static

Answer:

AB

140 As shown in the figure, all routers run OSPF protocol, and the OSPF process number is 1 and the area number is 0 Which of the following commands can implement this requirement on Router A? (Multiple Choice)

10.0.12.1/24 10.0.12.2/24
G0/0/1

Router A

Router B

A # ospf 1 area 0 0 0 network 10 0.12.1 0 0 00 # (Right Answers)
B # ospf 1 area 0000 network 100.1200003#
C. # ospf 1 area 0 0 0 0 network 10 0 12 0 00 0 255 # (Right Answers)
0 # interface GmabitEthernet0/0/1 ip address 10 0 121 255 255 0 ospf enable 1 area 0 0 0 0 #

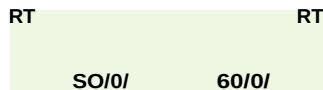
(Right Answers) Answer: AGO

141. In the OSPF protocol, which of the following description of the DR is correct? (Multiple Choice)

- A. The adjacency relationship must also be established between the DR and the BDR. (Right Answers)
- B. If the priority values of the two routers are equal, select the router with the large router ID as the DR (Right Answers)
- C. If the priority values of the two routers are different, select the router with the smaller priority value as the DR_
- D. By default, all routers in this broadcast network will participate in DR elections

(Right Answers) Answer: ABD

142 As shown in the figure, after the Um routers are configured with OSPF, the administrator configures the <mlenhintefaces0f0/1> command on the RTA. The correct description is O (Multiple Choice)



A The RTA will continue to receive and analyze the OSPF packets sent by the RTB. B_ The neighbor relationship of the two routers will be down_ (Right Answers)
C_ RTA will not send OSPF packets anymore_ (Right Answers)
0_ The neighbor relationship of the two routers will not be

affected Answer: BC

143. A DHCP OFFER packet can carry a DNS address, but can only carry one DNS address..

- A. True
- B. False (Right Answers)

Answer: B

144 As shown in the following figure, host A logs in to Router A through Telnet, and then obtains the configuration file of Router B through FM on the remote interface_ How many TCP connections exist on Router A?



HOST A
IP :192.168.1.2/24
GW:192.168.1.1

- A. 1
- B. 2
- C. 3 (Right Answers)
- 0.4

Answer: C

145 At present, the company has a network administrator. The AR2200 in the company network can be for remote management after directly enter the password through Telnet.

The company has two new network administrators, and wants to assign all administrators their respective usernames and passwords, as well as different permission levels.

- So what should do (Multiple Choice) A When configuring each administrator's account, you need to configure different permission levels_ (Right Answers)
- R User authentication mode configured by Telnet must select AAA mode (Right Answers)
- C Configure three user names and their corresponding passwords in the AAA New. (Right Answers) C! Each administrator uses different public IP addresses of the device when running the Telnet command_

Answer: ABC

146. What is the role of the port trunk allow-pass vlan all command?

- A. The connected peer device can dynamically determine which VLAN IDs can pass.
- B. If the port default vian3 command is configured for the connected remote device, VLAN 3 between the two devices cannot communicate.
- C. The peer port connected to the port must be configured with port trunk permit vlan all
- D. Allow all data frames of the VLAN to pass through the port. (Right Answers)

Answer: D

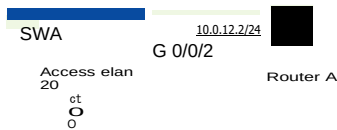
14T_ The Hybrid port can connect to both the user host and other switches_ l=1 A. True (Right Answers)
B. False

Answer: A

148. The IP addresses of the VLANIF interfaces on the same switch cannot be the same.
A. True (Right Answers)
B. False

Answer: A

149. As shown in the following figure, the router uses the sub-interface as the gateway of the host. The P address of the gateway is 10.0.12.2 Which of the following commands can fulfill this requirement? (Multiple Choice)



HOST A

11 10.0.12.1/24
MAC:MAC-A

- A. interface GigabitEthernet0/0/43 10 dotq termination vid 10 ip address 100_122 255255 255 0 arp broadcast enable #
- B. interface Gi gabitEthernet0/0/0 20 dotq termination old 20 ip address 100_12 2 255255255 0 arp broadcast enable # (Right Answers)
- C. interface GigabitEthernet0/0/0.10 dotq termination vid 20 ip address 10.0.12.2 255.255.255.0 arp broadcast enable # (Right Answers)
- D. interface GigabitEthernet0/0/0.20 dotq termination vid 10 ip address 10 0 12 2 255255 255 0 arp broadcast enable M

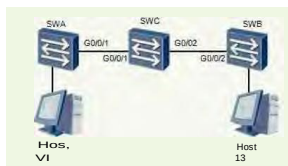
Answer: BC

150 The network administrator creates VLAN 10 on the Layer 3 switch and configures an IP address on the virtual interface of the VLAN. When you use the command "display ip interface brief" to check the status of the interface and find that the VLANIF 10 interface is down, what operations should be taken to restore the VLANIF 10 interface?

- A. Use the command "undo shutdown" on the VLANIF 10 interface.
- B. Incorporate a physical interface whose state must be Up into VLAN 10
- C. Incorporate any physical interface into VLAN 10
- D. Incorporate an interface whose state must be Up and must be of the Trunk

type into VLAN 10 Answer: B

151 As shown in the figure, the network administrator creates VLAN 2 on the SWA and SWB, and configures the ports connected to the host on the two switches as access ports and assigns them to VLAN 2. Configure G0/0/1 of the SWA and G0/0/2 of the SWB as trunk ports to allow all VLANs to pass. To achieve normal communication between the two hosts, he also needs to



- A. Create VLAN 2 on the SWC.
- B. Configure G0/0/1 on the SWC as the trunk port and allow VLAN 2 to pass.
- C. Configure G0/0/1 and G0/0/2 on the SWC as trunk ports and allow VLAN 2 to pass.
- D. Create VLAN 2 on the SWC, configure G0/0/1 and G0/0/2 as trunk ports and allow VLAN 2 to pass

(Right Answers) Answer:

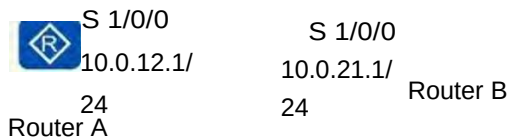
152. As shown in the following figure, the switch configuration information is as follows. According to the network and configuration, which of the following statements are correct? (Multiple Choice)

Router B
interface
Serial1/0/0 link-
protocol ppp
ip address 10.0.21.1 255.255.255.0

ospf 1 router-id 100.21.1
area 0.0.0.0
network 10.0.21.1 0.0.0.0

Router A
interface
Serial1/0/0 link-
protocol ppp
ip address 10.0.12.1 255.255.255.0

ospf 1 router-id 100.12.1
area 0.0.0.0
network 10.0.12.1 0.0.0.0



A. Router A and Router B cannot team the MAC address of the other interface.
(Right Answers) B. Router A and Router B have ARP tables.
C. Two routers can establish OSPF adjacency (Right Answers) E. There is no OR and BOR in the network (Right Answers)

Answer: AGO

153. The data link layer uses PPP encapsulation, and the IP addresses at both ends of the link may not be in the same network segment. A. True (Right Answers)
B. False

Answer: A

154. The command to enable CHAP authentication in PPP is: ppp chap authentication.
A. True
False (Right Answers)

Answer: B

155. Apply the following ACL in SNMP: which of the following is wrong? act number 2000
rule 5 permit source 192.168.1.2 0
rule 10 permit source 192.168.1.3 0
rule 15 permit source 192.168.1.4 0

- A. The device with IP address 192.168.1.5 can use SNMP service. (Right Answers)
- B. The device with IP address 192.168.1.3 can use SNMP service.
- C. The device with the IP address of 192.168.1.4 can use SNMP service.
- D. The device with IP address 192.168.1.2 can use SNMP service.

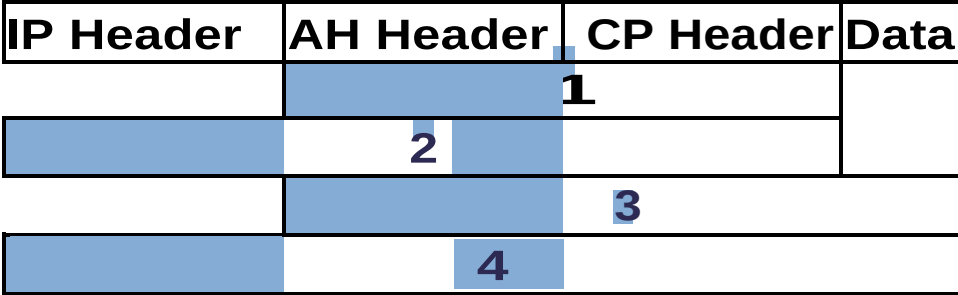
Answer: A

156. In the packet encapsulation format shown in the figure, which of the following fields will be encrypted by the ESP protocol of IPsec VPN?

- A. ESP Header, TCP Header, Data
- B. ESP Header, TCP Header, Data, ESP Trailer
- C. ESP Header, TCP Header, Data, ESP Trailer, ESP Auth
- D. TCP Header, Data, ESP Trailer (Right Answers)

Answers) Answer: D

157 As shown in the figure below, what is the scope of AH protocol authentication in IPsec transmission mode?



1=1 A. 1

ID B. 2

CI C. 3

D. 4 (Right Answers)

Answer: D

158. When the data encapsulation mode of IPsec is tunnel mode, the IP address of the intranet host is hidden, which can protect the security of the entire original data packet.

A. True (Right Answers)

B. False

e

Answer:

A

159. Which of the following commands configures the authentication mode to be HWTACACS authentication?

A. authorization-mode hwtacacs

B. authentication-mode local

C. authentication-mode none

D. authentication-mode hwtacacs (Right Answers)

Answer: D

160. During the establishment of the adjacency relationship, what is the role of DD packets in OSPFv3?

A. Used to send the required LSA to the peer router

B. Discover and maintain neighbor relationships

C. To describe its own LSDB (Right Answers)

D. Request missing LSA

Answer: C

161. If the MAC address of an interface is 00E0-FFFE-0FEC, what is its corresponding EUI-64 address?

A. 02E0-FCFF-FEEF-0FEC (Right Answers)

B. 00E0-FCEF-FFFE-0FEC

C. 00E0-FCFF-FFFE-0FEC

D. 00E0-FCFF-FEEF-

OFEC Answer: A

162. Which field of the IPv6 header can be used for QoS?

- A. Next Header
- B. Payload Length
- C. Traffic Class (Right Answers)
- D. Version

Answer: C

163. The simplest form of IPv6 address

- 3001:0DB8:0000:0000:0346:ABCD:42BC:8D58 is? A.
- 3001:0D138::0000:0346:ABCD:42BC:8D58
- B. 3001:DB8::346:ABCD:42BC:8D58 (Right Answers)
- C. 3001:DB8:0346:ABCD:42BC:81358
- D. 3001:0DB8:0346:ABCD:42BC:8D58

Answer: B

164. The same interface of the router cannot be used as both a DHCPv6 server and a DHCPv6

- A. True (Right Answers)
- B. False

Answer:

A

165. Which packet is sent by the DI ICPv6 client, requesting the DI ICPv6 server to assign an IPv6 address and network configuration parameters to it?

- A. Solicit (Right Answers)
- B. Advertise
- C. Discover
- D. Request

Answer: A

166. Segment routing (SR) is a protocol based on what idea to design for forwarding packets on the network?

- A. Routing strategy
- B. Destination routing
- C. Policy routing
- D. Source routing (Right Answers)

Answer: D

167. How many bytes are the packets using the MPLS label double-layer nesting technology more than the original IP packets?

- A. 4
- B. 8 (Right Answers)
- C. 16
- D. 32

Answer: B

168. Which of the following subnet routes can aggregate from the route entry 10.0.0.24/29? (Multiple Choice)

- A. 10.0.0.24/30 (Right Answers)
- B. 10.0.0.26/30
- C. 10.0.0.28/30 (Right Answers)

D. 10.0.0.23/30

Answer: AC

164. An IPv4 packet header length field is 20B. and the total length field is 1500B then what is the packet payload?

- A. 20B
- B. 1520B
- C. 1480B (Right Answers)
- D. 95000

Answer: C

170. Which of the following is unlikely to be the IPv4 packet header length? A. 208

- 8. 64B (Right Answers)
- C. 608
- D. 328

Answer: B

171. The Ethernet optical interface can only work in the 0 mode.

- A. Full duplex (Right Answers)
- B. Half duplex
- C. Simplex
- D. Soft-negotiation

Answer: A

172 <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]:
The administrator found that the above message popped up on the demo. The correct statement about this information is ().
A. If you need to enable automatic configuration, the administrator needs to choose
B. If you do not need to enable automatic configuration, the administrator needs to select N
C. When the device is first started, the auto configuration function is enabled (Right Answers)
D. When the device is first started, the auto configuration function is disabled.

Answer: C

173. Which of the following commands can be used to query the configuration information of the OSPF protocol? (Multiple Choice)

- A. display ip routing-table
- B. display current-configuration (Right Answers)
- C. display ospf peer
- D. In OSPF protocol view display this (Right

Answers) Answer: BD

174. The output information of a certain device is as follows. Which of the following statement is correct? (Multiple Choice)

```
<Huawei>display interface GigabitEthernet 0/0/0
ailliegitEthemet0/0/0 current state : DP
Line protocol current slate 7 LIFE
Route Port, The !axiom Transmit Unit is 1000
Internet Address is 10. 0.12. 2/29
IP Sending Frames' Format is PKTFIT_ETHNI_2, Hardware address is 00e0-fc224fff
Port lode: FORCE COPPER
Speed : 100, Loosback: NOW
Duplex: FULL, Negotiation: DISABLE
Ech : AUTO
Last 300 seconds input rate 24 bits/sec, 0 packets/sec
Lest 300 seconds output rate 24 bits/sec, 0 packets/sec
  A. The MAC address of the interface is 00e0-fe22-4fff (Right Answers)
  B. The IP address of the interface is 10 0 122/24. (Right Answers)
  C The working speed of this interface is 1Gbps_
  D. The MTh value of this interface is 1000. (Right Answers)
```

Answer: ABD

175 What is the correct statement about the black hole MAC address table? (Multiple Choice)

- A The saved entries are not lost after the system is reset, the interface board is hot swapped, or the interface board is reset (Right Answers)
- B. It is manually configured and delivered to each interface board. The entries cannot be aged (Right Answers)
- C. After the blackhole MAC address is configured, the packet which source MAC address or the destination MAC address is the MAC address will be discarded. (Right Answers)
- D You can filter out illegal users by configuring blackhole MAC address entries. (Right Answers)

Answer: ABCD

176. Which is the correct statement about the static MAC address table? (Multiple Choice)

- A After the interface is statically bound to the MAC address, the other interface receives the packet whose source MAC address is the MAC address will be discarded. (Right Answers)
- B By viewing the static MAC address entry, you can determine whether there is data forwarding between the two connected devices.
- C. A static MAC address entry can be bound to only one outbound interface_ (Right Answers)
- B. The saved entries are not lost after the system is reset, the interface board is hot swapped, or the interface board is reset. (Right Answers)

Answer: AC

177. In the RSTP protocol, when the root port fails, it will be quickly converted to the new root port and immediately enter the forwarding state.

- A. Backup port
- B. Edge port
- C. Forwarding port
- D. Alternate port (Right Answers)

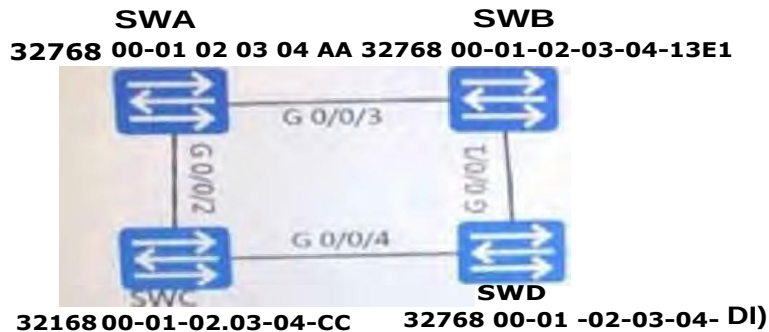
Answer: D

178. Both the Alternate port and the Backup port in RSTP cannot forward user traffic in RSTP, but can receive, process, and send BPDUs.

- A True (Right Answers)
- B. False

Answer: A

179. All switches in the following figure have STP protocol enabled, if the path cost of all ports is 200. What is the path cost value included in the configuration BPDU received by the G0/0/4 port of SWD?



- A. 0
 B. 200 (Right Answers)
 C. 400
 D. 600

Answer: B

180. As shown in the figure, at four switches run STP, and various parameters use default values. When a port on the root switch sends a hello and fails to send configuration BPDUs through the port, how long before the blocked port in the network enters the forwarding state?



- A. About 30 seconds
 B. About 50 seconds (Right Answers)
 C. About 15 seconds
 D. About 3 seconds

Answer: B

181. By default, it takes at least 30 seconds for the port status in SW to be changed from disabled to forwarding.

- A. True (Right Answers)
 B. False

Answer: A

182. There are multiple NextHops in the routing table that reach the same destination network. These routes are called?

- A. Equivalent routing (Right Answers)
 B. default route
 C. Multipath routing
 D. Suboptimal routing

Answer: A

183. Which of the following network types does the OSPF protocol need to elect DR and BDR? (Multiple Choice)
- A. Point-to-point type
 - B. Broadcast type (Right Answers)**
 - C. NBMA (Right Answers)**
 - D. Point to point

Answer: BC

184. The Router ID of the OSPF process takes effect immediately after being modified.
- A. True
 - B. False (Right Answers)**

Answer: B

185. When configuring OSPF on a router, you must manually configure 0. (Multiple Choice)
- A. Enable OSPF process (Right Answers)**
 - B. Create an OSPF area (Right Answers)**
 - C. Configure the router ID**
 - D. Specify the network included in each zone (Right Answers)**

Answer: ABD

186. The priority of the static routing protocol cannot be specified manually.
- A. True**
 - B. False (Right Answers)**

Answer: B

187. Which of the following statements about direct route is correct?
- A. Direct route priority is lower than dynamic route
 - B. Direct route requires the administrator to manually configure the destination network and next hop address.
 - C. Direct route has the highest priority (Right Answers)**
 - D. Direct route priority is lower than static**

route Answer: C

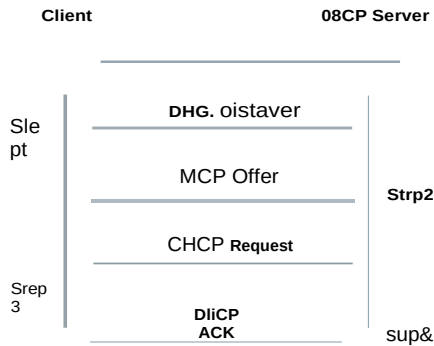
188. The router in the backbone area has all the LSDBs in all its areas.
- A. True**
 - B. False (Right Answers)**

Answer: B

189. Which of the following parameters does the OSPF protocol use for the master-slave relationship election? ☐ A. Process number of OSPF protocol
☒ B. Router ID (Right Answers)
☐ C. Sequence of startup protocols
☐ D. Interface IP address

Answer: B

190. According to the following DHCP flowchart, which statements are true? (Multiple Choice)



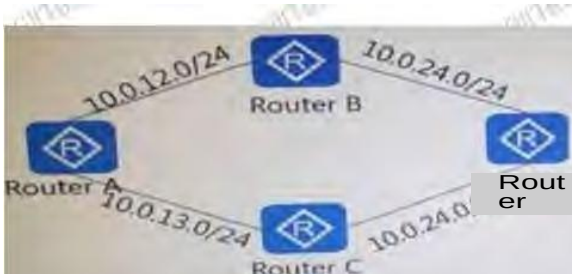
☐ A. In step 1, multicast packets are sent.
☒ B. In step 2, unicast packets are sent. (Right Answers)
☒ C. In step 3, broadcast packets are sent. (Right Answers)
☐ D. In step 4, unicast packets are sent. (Right Answers)
☐ E. In step 4, broadcast packets are sent.

Answer: BCD

191. The DHCP protocol interface address pool has a higher priority than the global address pool.
☒ A. TRUE (Right Answers)
☐ B. FALSE

Answer: T

192. As shown in the following figure, all links are Ethernet links, and all routers run OSPF. How many DR are elected in the entire network?



☐ A. 1
☐ B. 2
☐ C. 3
☒ D. 4 (Right Answers)

Answer: D

193. How many member ports can be added to an Eth-Trunk interface on ARG3 series router and X7 series switch? D A. 6

B. 8 (Right Answers)

D C. 10

C I D. 12

Answer: B

194. A trunk port can send both tagged data frames and unlabeled data frames. GA. TRUE (Right Answers)

C I B. FALSE

Answer: T

195. As shown in the figure, if host A has host B ARP cache, host A can ping through host B.



A. TRUE

B. FALSE (Right Answers)

Answer: F

196. Which of the following statements about one-arm routing is correct? (Multiple choice)

A. One physical connection per VLAN

B. On the switch, configure the port connected to the router as a trunk port and allow the frames of the relevant VLAN to pass.

(Right Answers)

C. Need to create a sub-interface on the router (Right Answers)

D. Only one physical link is used between the switch and the router. (Right Answers)

Answer: BCD

197. Which of the following statements about link aggregation is correct? (Multiple choice) A. Eth-Trunk interfaces cannot be nested

(Right Answers)

B. Ensure that the modes of link aggregation on the two devices are the same when the two devices are connected to each other. (Right Answers)

C. The GE interface and the FE interface cannot be added to the same Eth-Trunk interface. (Right Answers)

D. GE electrical interfaces and GE optical interfaces cannot be added to the same Eth-Trunk interface. (Right Answers)

Answer: ABCD

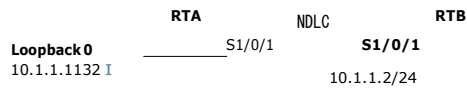
198. NAT uses the same public IP address but different port numbers to translate private IP addresses. Which statement regarding the port number is correct? E I A. It is necessary to configure port number mapping manually.

B. It is only necessary to configure the port number range. E I C. It is not necessary to configure port numbers.

D. An access control list is needed to assign port numbers. (Right Answers)

Answer: D

199. Refer to the graphic.



On the interface serial 1/0/1 of RTA, the command "ip address unnumbered interface loopback 0" has been configured. Which following statements are correct? (Multiple Choice)

☐ A. The IP address of RTA interface serial 1/0/1 is 10.1.1.1/24.

☐ B. The IP address of RTA interface serial 11011 is 10.1.1.1/32.

(Right Answers) ☒ C. The route entry 10.1.1.0/24 exists in RTA's routing-table.

(Right Answers) ☒ D. The route entry 10.1.1.0/24 does not exist in RTA's routing-table.

Answer; BD

200. The data link layer is encapsulated in PPP. The IP addresses at both ends of the link cannot be in the same network segment. ☐ A. TRUE **(Right Answers)**

☐ B. FALSE

Answer: T

201. Which of the following parameters are identified by the SA (Security Association)? (Multiple choice) ☐ A. Source IP address

☐ B. Security Parameter Index (SPI) **(Right Answers)**

☐ C. Destination IP address **(Right Answers)**

☒ D. Security Protocol (AH or ESP) (Right Answers)

Answer; BCD

202. As shown in the following figure, IPSec uses tunnel mode. What is the scope of ESP encryption?

New IP Header	AH Header	ESP Header	IP Header	TCP Header	Data	ESP Tail	ESP Auth Data

☐ A. 1 **(Right Answers)**

☐ B. 2

☐ C. 3

☐ D. 4

Answer, A

203. The Router-ID of OSPFv3 can be automatically generated by the system. ☐ A. TRUE

☐ B. FALSE (Right Answers)

Answer: F

204. The following about IPv6 stateless address autoconfiguration and DHCPv6, which is correct? (Multiple choice) ☐ A. IPv6 stateless address autoconfiguration uses RA and RS messages (Right Answers)
☐ B. DHCPv6 is more manageable than stateless autoconfiguration (Right Answers)
☐ C. DHCPv6 can be divided into DHCPv6 stateful autoconfiguration and DHCPv6 stateless autoconfiguration. (Right Answers)
☐ D. IPv6 stateless address autoconfiguration and DHCPv6 can allocate related configuration information such as DNS

address to the host. Answer; ABC

205. Which of the following is the value of the IPv6 multicast address flag field indicates that the multicast address is a temporary multicast address? ☐ A. 0
☒ B. 1 (Right Answers)
☐ C. 2
☐ D. 3

Answer. B

206. Which of the following is the value of the IPv6 multicast address flag field indicates that the multicast address is permanent multicast address? ☐ A. 0 (Right Answers)
☐ B. 1
☐ C. 2
☐ D. 3

Answer. A

207. Based on tv1PLS labels, you can mark up to how many types of data streams with different service fevers?
☐ A. 2
☐ B. 4
☒ C. 8 (Right Answers)
☒ D. 16

Answer: C

208. Segment Routing encodes the segment sequence representing the forwarding path in the packet header. As the packet is transmitted, the receiver parses the segment sequence after receiving the packet. If the top segment identifier of the segment sequence is the local node, the identifier is displayed, and then the next step is processed. If it is not the local node, the packet is forwarded to the next node by using the ECMP (Equal Cost Multiple Path) mode.
☒ A. TRUE (Right Answers) ☐ B. FALSE

Answer: T

209. The router interface output information is as follows; which is correct? (Multiple choice)

(1-Turragei>display ipv6 interface GigabitEthernet 0/0/0 GigabitEthernet0/0/0 current state

: UP

IPv6 protocol current state : UP

IPv6 is enabled, link-local address is FE80::210:FCFF:FE6F:4136

Global unicast address(es) :

2001::12:1, subnet is 2001:: : /64

Joined group address(es)

FE02::1

FE02::1

FE02::2 FE02::1

FE02::1:FE6F:4136

.....MTU is 1500 bytes

☒ A. The global unicast address of this interface is 2001::12:1 (Right Answers)

☒ B. The MTU of this interface is 1500 (Right Answers)

☒ C. The link-local address of this interface is FE80: 2E0:FCFF FE6F:4F36 (Right Answers)

☒ D. The IPv6 protocol status of this interface is UP. (Right Answers)

Answer: ABCD

210. The output information of a router is as follows. What is the tunneling protocol used by this interface?

```
tar Altilsplay interface-Tunnel 0/0/0
anss10/0/0 current state : UP
Line protocol current state : Up
Last line protocol up time : 2019-03-06 11:03:15 UTC 0:::00
Description:HUAWEI, AR Series, Tunnel0/0/0 Interface
Mtu 1500, The Maximum Transmit Unit is 1500
Internet Address is unnumbered. using address of Loopback0 (10.0.1.1432)
Encapsulation is TUNNEL. loopback not set
Tunnel source 10.0.12.1 GigabitEthernet0/45/0. destination 10.0.12.2
Tunnel protocol transport GRE/IP. key disabled
```

- A. MPLS
- B. IS-IS
- C. LDP
- D. GRE (Right Answers)

Answer: D

211. What of the following statements is correct regarding Access Control List types and ranges?
- A. A basic ACL value ranges from 1000-2999.
 - B. An advanced ACL value range from 3000-4000.
 - C. A layer 2 ACL value ranges from 4000-4999. (Right Answers)
 - D. An interface ACL value ranges 1000-2000.

Answer: C

212. The configuration information of router DHCP address pool is as follows. Which is correct? (Multiple choice)

ip pool test

```
network 192.168.1.0 mask 255.255.255.0
excluded-ip-address 192.168.1.200 192.168.1.254
lease day 0 hour 12 minute 0
```

- A. The address pool has 199 available IP addresses. (Right Answers)
- B. The lease of the IP address is 12h. (Right Answers)
- C. The address pool has 55 available IP addresses.
- D. The IP address that the DHCP client may obtain is 192.168.1.2.

(Right Answers) Answer: ABD

213. The output information of router routing table is as follows. Which is correct? (Multiple choice)

```

10.41mp1 1p rondo.
Route Flaws: I - rr1 Yr. 11 - download to fn.
-----
MauiInc 1...0.1 c Paw. tvp = $ 0
Dime ince Iceno In
boas i nationfildeok Pro eel Ire Coal Intl' Ne.sit. r imr, r>r
ice. 0- 0.0RS rn n
10.6. 2_ /i2 51411.. In it

```

- D A. The NextHop of this router reaching 90.0.0.1 is 10.0.21.2_
 B. The NextHop of this router reaching 10.0.0.1 is 10.0.12.2 (Right Answers)
 C. The NextHop of this muter reaching 10.0.2.2 is 10.0.12.2
 D. The NextHop of this router reaching 10.0.2.2 is 10.0.21.2 (Right Answers)

Answer: BD

214 The following figure shows a routing table. When this router receives a packet with a destination IP address of 9.1.1.1, the router forwards the packet based on the route 9.1.0.0/16 because the matched bit number in this route is the largest

<Fluawei> display ip routing-table
 Route Flags: R - relay, D - download to fib

```

Routing Tables: Public Destinations : 2 Routes: 2
Destination/Mask Proto Pre Cost Flags NextHop Interface
0.0.0.0/0 Static 60 0 0 120.0.0.2 Serial11/0/0
8.0.0.0/13 RIP 100 3 0 120.0.0.2 Serial11/0/0
9.0.0.0/8 OSPF 10 50 0 20.0.0.2 Ethernet2/0/0
9.1.0.0/16 RIP 100 4 0 120.0.0.2 Serial11/0/0
11.0.0.0/8 Static 60 0 0 120.0.0.2 Serial12/0/0
20.0.0.0/8 Direct 0 0 0 20.0.0.1 Ethernet2/0/0
20.0.0.1/32 Direct 0 0 0 127.0.0.1 loopback0
OA: TRUE (Right Answers)
0 B FALSE

```

Answer: T

215. Router 1 routing table output information is as follows: which is correct? (Multiple choice)

```

0111r4t.pl elf 1.p puttees-4pm..
Route flat*: R - rya toy. D - download to fib
-----
Sna Te.ble. PeAdite : 13 Kr_mat rim . 1:1
Prong Prc Powe Pase Poo toe or rasa
et elearrpetteille
0.0.0.0/0 Slott 60 0 R 10.1A, 14.4 Thermeto/o/o
0.0.0.0 RIP 80 0 M. Fj Firwrnal0/0rA
10.0.2-0/24 gel 80 0 11, r. T. 1.....0:10/1
10.0.2. 2132 *Mr 18 52 R6 r..11 F.itwrrw:QInfo
10.0.12-0/24 IA rle,t 0 0 to 1, n. I'. 1 r.II.rITL.10/11.0
/Cc 9.12.1/92 Direc e 0 0

```

- A. There are two dynamic routing protocols in the routing table. (Right Answers)
 B. The mask length of the IP address of the Ethernet0/0 interface on the router is 24 bits. (Right Answers)
 C. The IP address of the Ethernet0/0 interface on the router is 10.0.12.1. (Right Answers)
 D. There is a dynamic routing protocol in the routing table.

Answer: ABC

216. Refer to the display information.

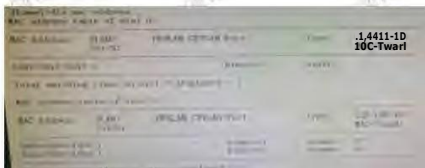
```
CtLedwepchipey mac-address
MAC Address  VIANNISI teamed-Frans Type
5439-38ec-1518 If-      GE0/13(13   dynamic
Total terms displayed -1
```

A switch attempts to forward a frame to the MAC destination 54S9-98eo-1011. What operation will occur on the switch?

- A. The switch will send a request to obtain the MAC address of 5489-98ec-f011.
- B. The switch will report that the destination is unreachable and report this to the source.
- C. The switch will flood the frame via all ports, with exception of the port on which the frame was received. **(Right Answers)**
- D. The switch will drop the frame because it does not have an entry in its MAC address table.

Answer: C

217 The current switch MAC address table is as follows, which is correct?



MAC Address	Port	Priority	Age
14411-1D10C-Tward	Eth0/0/2	1	00:00:00
5489-989d-1430	Eth0/0/1	1	00:00:00

- A. When the switch is restarted, the MAC address learned on port Eth0/0/2 does not need to be re-learned.
- B. When the switch is restarted, the MAC address learned on port Eth0/0/3 needs to be re-learned.
- C. The data frame with the source MAC address of 5489-9811-0b49 and the destination MAC address of 5489-989d-1430 is received from the port and forwarded from Eth0/0/2.
- D. The data frame with the source MAC address of 5489-98885-18a8 and the destination MAC address of 5489-989d-1d30 is received from the port and forwarded from Eth0/0/1. **(Right Answers)**

Answer: D

218. If the transport layer protocol is UDP the network layer Protocol field takes a value of 6. **OA. TRUE**
OB. FALSE (Right Answers)

Answer: F

219. Which of the following statements about gratuitous ARP packets are true? (Multiple Choice)
- A. A system can determine whether conflicting IP addresses are used by sending a gratuitous ARP packet. **(Right Answers)**
 - B. A gratuitous ARP packet uses the same format as an ARP request packet. **(Right Answers)**
 - C. A gratuitous ARP packet can help to update an IP address.
 - D. A gratuitous ARP packet uses the same format as an ARP reply packet.

Answer: AB

220. Which of the following flow control methods can be used in the transport layer of the OSI reference model? (Multiple choice)
- A. Source suppression message **(Right Answers)**
 - B. Window mechanism **(Right Answers)**
 - C. Confirmation technology
 - D. Cache technology **(Right Answers)**

Answer: ABD

221. The application data must carry the MAC address after being processed by the data link layer. **OA TRUE (Right Answers)**
OB. FALSE

Answer: T

222. A network engineer prompts the following message when entering the command line: Error: Unrecognized command found atw'position. Which is correct about this prompt message?

D A. The input command is incomplete

D B. No keywords found (Right

Answers) D C. Input command is not clear

LI D. Parameter type error

Answer: B

223. By default, the root path cost of the root bridge in the STP protocol must be 0.

OA. TRUE (Right Answers)

0 B. FALSE

Answer: T

224. The output information of a switch is as follows. Which is correct?

01410wei)display mac-address MAC address table of slot 0:

MACAddress	VLAN/VSI/SI	PEVLAN CRVLANPort	Type	LSP/LSN-ID MAC-Tunnel
5489-9885-18a8			blackhole-	
5489-9811-0b45	1	Eth0/0/3	static	-

Total matching items on slot 0 displayed - 2

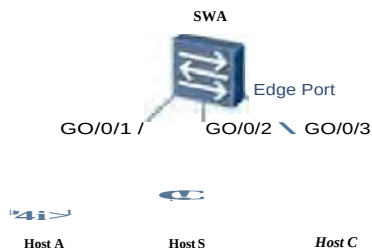
O A. MAC 5489-9885-18a8 does not have corresponding port information, the switch appears BUG 0 B. All entries in the MAC address table are dynamically learned by the switch.

0 C. After the switch is restarted, MA C5489-9811-0b49 needs to be re-learned.

0 D. If the switch receives a data frame with a source MAC address or a destination MAC address of 5489-9885-18a8, the switch will discard

the frame. (Right Answers) Answer: D

225. Refer to the graphic.



An administrator has configured the port interface G0/0/3 of Switch A as an edge port.

The user wishes to connect multiple devices to the network and connects his own managed switch to the network. What effect will this have on the network?

111 A. Port interface G0/0/3 of switch A will shut down, as a BPDU has been received by the edge port.

B. Port interface G0/0/3 of switch A will forward the data normally and drop the BPDU sent by the host to the switch. CI C. Switch A will receive the BPDU and recalculate the port state of G0/0/3. (Right Answers)

0 D. Only Host A can send data out as before, the other devices linked cannot.

Answer: C

226. Which of the following protocols can be used to avoid loops in a redundant Layer 2 network?

El A. ARP

El B. STP (Right Answers)

CI C. UDP

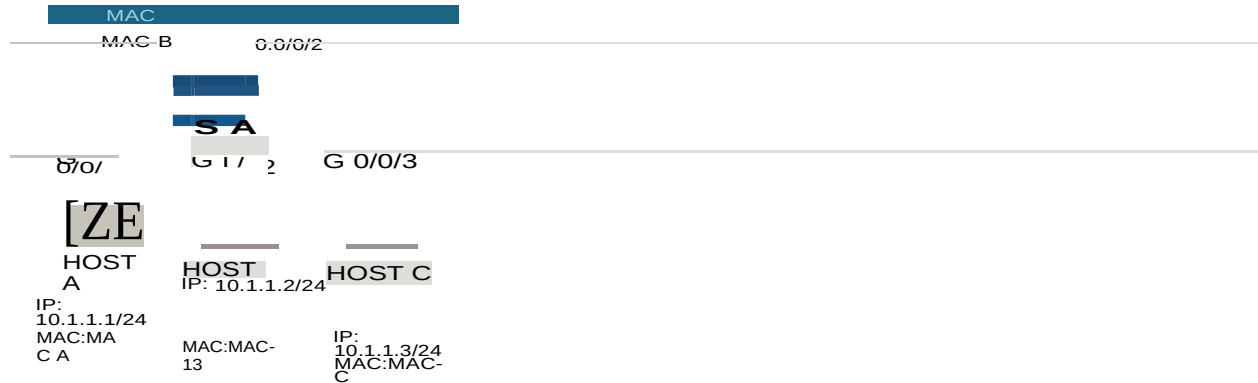
CI D. VRRP

Answer: B

227 The static MAC address table is reset in the system, after the interface board is hot swapped or the interface board is reset, saved entries are not lost. **TRUE (Right Answers)**
☐ B.FALSE

Answer: T

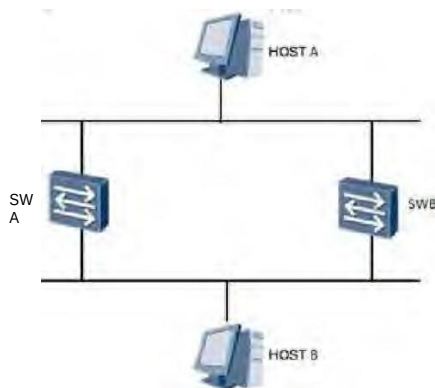
228 As shown in the following figure, assuming that the MAC address table of the SWA is as follows, now Host A sends a data frame whose destination MAC address is MAC-B. Which is correct?



- A SWA discards data frames
- B Forward this data frame only from the G0/0/2 port (Right Answers)
- C Forward this data frame only from the G0/0/3 port
- D Generalize this data frame

Answer: B

229. As shown in the figure, STP is disabled on both switches, and Host A sends an ARP Request. Which is correct? (Multiple choice)



- A These two switches can achieve load balancing
- B The CPU usage of these two switches will be very high. (Right Answers)
- C Repeated frames will appear in this network (Right Answers)
- D The MAC address table of these two switches will frequently jitter (Right Answers)

Answer: BCD

230. What are the three ways for a router to establish a routing table? (Multiple choice) **E A. Dynamic routing (Right Answers)**

- B Static routing (Right Answers)**
- C Direct routing (Right Answers)**
- D Aggregate routing**

Answer: ABC

231. The output information of a router is as follows. Which is wrong? (Multiple choice)

```
<R1>display current-configuration configuration nospf
ospf 1 router-id 10.0.1.1
 area 0.0.0.0
   network 10.0.12.0 0.0.0.3
   network 10.0.12.0 0.0.0.255
N
return
<R1>display ospf peer
```

```
OSPF Process 1 with Router ID 10.0.12.1
Neighbors
```

```
Area 0.0.0.0 interface 10.0.12.1(GigabitEthernet0/0/0)'s neighbors
Router ID: 10.0.2.2      Address: 10.0.12.2
  State: Full Mode:Nbr is Slave Priority: 1
  DR: 10.0.12.2 BOR: 10.0.12.1 NTU: 0
  Dead timer due in 30 sec
  Retrans timer interval: S
  Neighbor is up for 00:01:48
  Authentication Sequence: [ 0 ]
```

- A. This router has enabled regional authentication. (Right Answers)
- B. The device is faulty. The configured Router Id is inconsistent with the actual Router ID. (Right Answers)
- C. The Router Id that is valid for this device is 10.0.12.1.
- D. The Router Id that is valid for this device is 10.0.1.1. (Right Answers)

Answer: ABD

232. As shown in the figure below, which is correct?



- A. Host A and host B have different IP address masks, so host A and host B cannot communicate.
- B. Host A and host B have the same broadcast address
- C. Host A and Host B can communicate only if the masks of Host A and Host B are set to be consistent.
- D. Host A can ping host B (Right Answers)

Answer: D

233. In which state does OSPF determine the master-slave relationship of DD packets?

- A. 2-way
- B. Exchange
- C. ExStart (Right Answers)
- D. Full

Answer: C

234. Which of the following VRP commands can be used to enter area 0 view?
(Multiple Choice)

- A. [Huawei]ospf area 0
- **[Huawei-ospf-l]area 0 (Right Answers)**
- C. [Huawei-ospf-t]area 0.0.0.0 **(Right Answers)**
- D. [Huawei-ospf-l]area 0 enable

Answer: BC

235. As shown in the figure below, which is correct?



HOST A

HOST B

IP: 10.0.12.1/30

MAC: MAC-A

IP: 10.0.12.2/24

MAC:MAC-B

- A. Host A and Host B cannot obtain the MAC address each other. **(Right Answers)**
- B. Host A ARP cache exists 10.0.12.5 MAC-B
- C. Host A can ping host B
- D. Host A and host B have the same broadcast address

Answer: A

236. All interfaces of the router running OSPF must belong to the same area. OA. TRUE

B FALSE (Right Answers)

Answer: F

237. On Huawei devices, which of the following methods can be used in OSPF router ID selection? (Multiple Choice)

- A. If a loopback interface is configured, the largest IP address of the loopback interface is selected as the router ID. **(Right Answers)**
- B. If loopback interfaces are not configured, the largest IP address of an interface is selected as the router ID. **(Right Answers)**
- C. A Huawei switch may use the largest IP address of VLANIF interfaces as the router ID. **(Right Answers)**
- D. **The default ID 127.0.0.1 is selected as the router ID.**
- E. A valid router ID can be configured manually. **(Right Answers)**

Answer: ABCE

238. Which of the following are the basic elements of configuring a static route?
(Multiple choice)

- A. Destination network segment **(Right Answers)**
- B. MAC address of the outgoing interface
- C. IP address of the next hop **(Right Answers)**
- D. Outlet **(Right**

Answers) Answer:

ACD

239. VRP operating platform, which of the following command can view the routing table?

A. display ip routing-table (Right Answers)

B. display current-configuration

C. display ip interface brief

D. display ip forwarding-table

Answer: A

240. The following two configuration commands can implement the router RTA to the primary and backup backups of the same destination 10.1.1.0: [PTA] 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

OA. TRUE

O B. FALSE (Right Answers)

Answer: F

241. What is the default server port number used by the Telnet protocol? 1:1 A. 21

B. 24

C. 22

D. 23 (Right Answers)

Answer: D

242. The maximum number of UTU user interfaces determines how many users can log in to the device through Telnet or STelnet. OA. TRUE (Right Answers)

O B. FALSE

Answer: T

243. Which of the following network parameters can the Dynamic Host Configuration Protocol DHCP assign? (Multiple choice) O A. Operating system

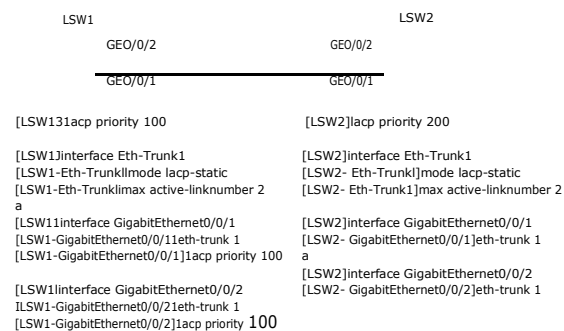
O B. DNS address (Right Answers)

O C. IP address (Right Answers)

D. Gateway address (Right Answers)

Answer: BCD

244. 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.

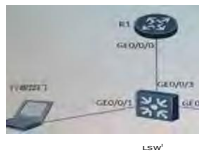


OA. TRUE

O B. FALSE (Right Answers)

Answer: F

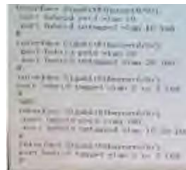
245 Referring to the configuration of the one-arm route in the following figure, it can be judged that even if the ARP proxy is not enabled on the sub-interface of R1, the administrative department and the finance department can exchange visits.



OA TRUE
OB FALSE (Right Answers)

Answer: F

246. In the MAC address table of SWA and SWB, the MAC address, VLAN and port correspondence correct-



MAC Address	VLAN	Port	MAC-A	10	GE0/006. MA -B
100	MAC Address	VLAN	10	GE0/02 MACLB	20
GE010/3 MAC-C	030	GENION plight Ammar.)			
D C SWA- GE010/2 MAC-C	100	GE0001) Right Answer0	MAC Address VLAN Port	MAC-A	10
0 0. SW13: GE010/3 MAC-C	11111	GE010/3	MAC Address \CAN BGA	MAC-A	10
					000/0/3 MAC-B 20

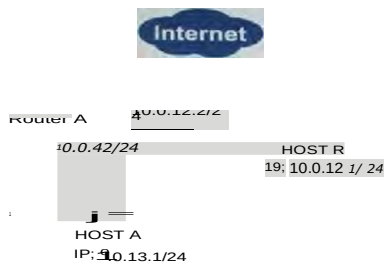
247. What is the value of the Flag field in the PPP frame format? O A. OxFF
O B. Ox7E (Right Answers)
E C. OxEF
11. Ox8E

Answer: B

248. ICMP packets do not contain a port number. so NAT cannot be used. OA. TRUE
OB. FALSE (Right Answers)

Answer: F

249. If the network shown in the following figure requires the host A to access the Internet through Easy IP, which of the following ACL should be used on the G0/0/3 interface of Router A?



- A. acl number 2000 rule 5 permit source 11111112_1_000
 B. acl number 2000 rule 5 permit source 10.0.13.0 0.0 0.255# (Right Answers)
 C. acl number 2000 rule 5 permit source 19 0_15_1 0 0_0_0
 D. acl number 2000 rule 5 permit source 10 0 12 0 0 90 255#

Answer: B

250. As shown in the figure, the two private network hosts want to communicate with each other through the GRE tunnel. After the GRE tunnel is established, the network administrator needs to configure a static route on the RTA to import the traffic from host A to host B. The static routing channel can meet which of the following demand?



- A. ip route-static 10.1.2.0 24 tunnel 0/0/1 (Right Answers)
 B. ip route-static 10.1.2.0 24 200.1.1.1
 C. ip route-static 10.1.2.0 24 GmabitEthernet0/0/1
 D. route-static 10.1.2.0 24 200.2.2.1

Answer: A

251. As shown in the figure below, which of the following locations should the AH header be inserted in the IPsec transport mode?

1 IP Header

TCP Header 13 1 Data

- A. 1
 B. 2
 C. 3
 D. 4 (Right Answers)

Answer:

252. Which of the following remote login methods is the safest?
 A. Telnet
 B. Stelnet v100
 C. Stelnet v2 (Right Answers)
 D. Steinnet vl

Answer: C

253. Which of the following default action business module ACL is permit?
 A. HTTP
 B. SNMP
 C. Telnet
 D. Flow strategy (Right Answers)

Answers) Answer: D

254. What is the Solicited-node multicast address corresponding to the IPv6 address 2019::8:AB? **EI A. FF02::1:FF08:AB (Right Answers)**

- B. FF02::FF08:AB
- E C. FF02 1
- tE08:AB D. FF
- 02:1:FF20: 19

Answer: A

255. What is the destination port number of the DHCPv6 request packet sent by the DHCPv6 client? **D A. 546**

- E B. 548
- E C. **547 (Right Answers)**
- D D. 549

Answer: C

256. The OSPFv3 adjacency cannot be established. Which of the following reasons might be caused? (Multiple choice) **E A. Router-ID conflict (Right Answers)**

- E B. HELLO packet sending period is inconsistent (Right Answers)
- E C. Inconsistent area numbers (Right Answers)
- E D. Interface IPv6 address prefix is

inconsistent Answer: ABC

257_ Which field is added to the SNMP packet header than the IPv4 packet header? **EI A. Version**

- EI B. **Flow Label (Right Answers)**
- EI C. Destination
- Address LI D. Source
- Address

Answer: B

258 LOP penultimate hop pop-up mechanism (PHP), which allows the label to be ejected on the penultimate hop LS11 This can reduce the packet processing complexity of which options? **O A. Last hop and penultimate hop device**

- O B. Penultimate hop device
- O C. All MPLS network equipment
- O D. Last hop device (Right

Answers) Answer: D

259. Which of the following MAC addresses cannot be used as the MAC address of the host NIG? (Multiple choice) **D A. 00-02-03-04-05-06**

- E B. 02-03-04-05-06-07
- D C. **01-02-03-04-05-06 (Right**
- Answers) D D. 03-04-05-06-07-**
- 08 (Right Answers)**

Answer: CD

260_ Which of the following statements regarding the verification of IP connectivity are false? (Multiple Choice)

- 111 A. The ping 12700_1 command can be used to check whether the network cable is correctly inserted into the host's Ethernet port (Right Answers)
- O B. The ping command with the host IP address as the destination can be used to verify that the TCP/IP protocol suite is functioning correctly (Right Answers)
- O C. The ping command can be used to verify connectivity between the host and the local gateway.
- 111 D. The command "ipconfig /release" can be used to check connectivity problems between the host and the local gateway (Right Answers)

261. Now there are four network segments 10.24.0.0/24, 10.24.1.0/24, 10.24.2.0/24, 10.24.3.0/24_ Which of the following network segments can be summarized? (Multiple choice)
- A. 10.24.0.0/23
 - B. 10.24.1.0/23
 - C. 10.24.0.0/22 (Right Answers)
 - D. 10.24.0.0/21 (Right Answers)

Answer: CD

262. The administrator wants to upgrade the configuration file for the AR2200 through the USB cable. Which is correct? (Multiple choice)
- A. The AR2200 does not support the use of USB to update configuration files.
 - B. Connect the USB interface of the PC and AR2200 with mini USB cable.
 - C. After connecting the cable, the administrator needs to install the driver for the mini USB. (Right Answers)
 - D. Connect the mini USB cable of the PC and AR2200 with mini USB cable. (Right Answers)

Answer: CD

263. The switch receives a micas' data frame. If the destination MAC address of the data frame can be found in the MAC local table, the data frame must be forwarded from the MAC corresponding port.
GA TRUE
rj B FALSE (Right Answers)

Answer: F

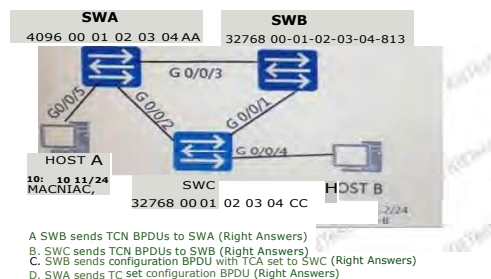
264. The output information of switch SW port is as follows: Which is wrong with the following statement?

```
Diumeildisplay stp interface Ethernet 0/0/1
_____ECIST Global Info] iiodc SIN ----
CIST Bridge          :32768.4c1f~cc46-4618
Config Times         :Hello 4s NaxAge 20s FwDly 15s JUL:Hop 20
Active Times         :Hello 2s IlaxAge 20s FwDly 15s XaxHop 20
CIST Root/ERPC       :0      .4c1f~cci7-3214 / 200000
CIST RegRoot/WPC     :~32768.4c1f~cc46-4618 / 0
```

- A. The switch is not a root bridge
- B. Forward-delay is 20s (Right Answers)
- C. Configure the MaxAge of the BPDU to be 20s.
- D. The period for sending BPDU on this port is 2s.

Answer: B

- 265 The network shown in the figure below, all switches open STP. Disable the sending function of the BPDU on the G0/0/2 port of the SWA. The G0/0/1 of the SWC re-converges to become the root port. Which is correct? (Multiple choice)



Answer: ABCD

266. An existing switch directly connects to a designated port of peer device through a poet, but the port does not forward any message, but can receive the BPDU to monitor the network change. The role of the port should be?
- A. Root port
 - B. Designated port
 - C. Alternate port (Right Answers)
 - D. Disable Pod

Answer: C

267. The switch MAC address table is as follows, which is correct?

Dittasteildis aac-address
MAC address table of slot 0:

MAC Address	WAN/ VSI/SI	PEVLAN MILAN Port	Type	LSP/LSR-ID NAC-Tunnel
5404-0005-10a0 1			b/aekbole	-
5484-9811-0b49 1		Eth0/0/3	static	-

Total matching items on slot 0 displayed = 2
MAC address tabl of slot 0:

MAC Address	IriAli/ VSI/SI	PEVLAN CEVLMIPart	Type	LSP/LSR-ID *AC-Tunnel
5489-18% d -2d30		Eth0/0/1		

- Te401. amain, it...s on slot 0 displayed
- O A. The switch receives the data frame with the destination MAC address of 5489-9811-0b49 will be discarded.
 O B. The switch receives the data frame with the destination MAC address of 5489-9885-18a8 will be discarded. (Right Answers)
 O C. The switch receives the data frame with the source MAC address of 5489-9811-0b49 and will be discarded.
 D. The switch receives the data frame with the destination MAC address of 5489-989d-1d30 will be discarded.

Answer: B

268. The device running STP will discard when it receives the configuration BPDU of RSTP. OA. TRUE (Right Answers)
 OB. FALSE

Answer: T

269. STP When the designated port receives a configuration BPDU that is worse than itself, it immediately sends its own BPDU downstream. OA. TRUE (Right Answers)
 OB. FALSE

Answer: T

270. What message is sent when the SW downstream device notifies the upstream device of topology change? O A. TCA message
 O B. TC message
 O C. Configure BPDUs
 O D. TGN BPDU (Right Answers)

Answer: D

271. Which flag bits of the STP protocol are not used by the Flag field in the RSTP configuration BPDU? (Multiple choice) O A. Agreement (Right Answers)
 B. TCA
 C. TC
 O D. Proposal (Right Answers)

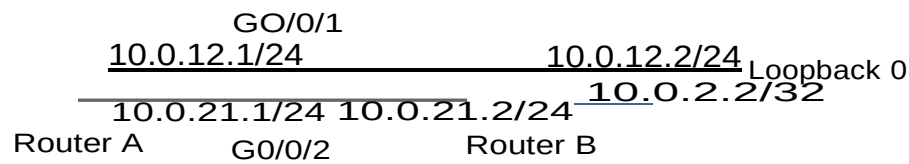
Answer: AD

272. The backup port in RSTP can replace the failed root port. OA. TRUE
 OB. FALSE (Right Answers)

Answer: F

273. As shown in the following figure, the following configurations exist on the Router A. The following statements which are correct? (Multiple choice)

```
ip route-static 10.0.2.2 255.255.255.255 10.0.12.2
ip route-static 10.0.2.2 255.255.255.255 10.0.21.2 preference 40
```



- 0 A. If the G0/0/2 port is Down, the interface that reaches 10.0.2.2 in the routing table of Router A is changed to G0/0/1. **(Right Answers)**
- D B. If the G0/0/1 port is Down, the interface that reaches 10.0.2.2 in the routing table of Router A is changed to G0/0/2. 0 C. the interface that reaches 10.0.2.2 in the routing table of Router A is G0/0/1.
- 0 D. the interface that reaches 10.0.2.2 in the routing table of Router A is G0/0/2. **(Right Answers)**

Answer: AD

274. VRP supports OSPF multi-process. If no process number is specified when OSPF is enabled, the default process number is? EI A. 0

El B. 10

El C. 1 **(Right Answers)** P D. 100

Answer; C

275. The output information of a router is as follows. Which is correct? (Multiple choice)

```
1 >display ospf interface verbose
```

```
OSPF Process 1 with Router ID 10.0.1.1
Interfaces
```

```

week: 0. 0. 0. 0          IRKS TE not enabled)

Interface: 10.0.12.1. (GisabilEthernet0/0/0)
= oat: 1          State: 5DR          Type: Broadcast          IITU:1500
? riority: 1
Designated Router: 10.0.1.2. 2 Nackuv
Designated Router: 10.0.12.1
Timers: Hello 10 Dead 40 . Poll 1.20 . Retransmit 5 , Transmit Delay 1
10 Statistics
      Type          Input          Output
      Hello          66          65
      DB Description    2          3
      Link-State Rto    0          1
      -State Update    '          2
      Link-State Mk     3          ."
      MI GROUP
      R GROUP
aqueId: 0 PrevState: Waiting
time cost: 1, enabled by OSPF Protocol
```

- 1:1 A. The routing interface DR priority is 10. ID B. Router ED is 10.0.1.1 **(Right Answers)**
- El C. The value of this interface Cost is "1 **(Right Answers)**
- El D. This router is a BDR **(Right Answers)**

Answer: BCD

216. ip route-static 10.0.12.0 255.255.255.0 192.168.1 1

Which statement is true regarding this command?

- 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 (Right Answers)
- 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.

Answer: B

277. Which state does OSPF use to indicate that a neighbor relationship has been established?

- A. 2-way (Right Answers)
- B. Down
- C. Attempt
- D. Full

Answer: A

278. By default, the period for sending OSPF HELLO packets on the broadcast network is? A_ IOs (Right Answers)

- B. 40s
- C. 30s
- D. 20s

Answer: A

279. Which of the following problems may emerge when a loop exists on a router? (Multiple Choice)

- A. Infinite packet forwarding.
- B. Increased CPU usage. (Right Answers)
- C. Increased memory usage. (Right Answers)
- D. Continuous change of destination IP addresses of packets.
- E. Increased packet size.

Answer: BC

280. What are the roles of OSPF DR and BDR? (Multiple choice)

- A. Reduce the number of exchanges of link state information (Right Answers)
- B. Reduce the type of OSPF packets
- C. Reduce the time it takes for the adjacency to establish a Reduce the number of adjacencies (Right Answers)

Answer: AD

281. The two routers are interconnected through the PPP link. The administrator configures OSPF on the two routers and runs in the same area. If their router IDs are the same, which is correct?

- A. Two routers will establish a normal full neighbor relationship
- B. Two routers will not send hello information to each other
- C. Two routers will establish a normal full adjacency
- D. VRRP will prompt the router ID conflicts of the two routers. (Right Answers)

Answer: D

282. Which of the following OSPF versions suit for IPv6?

- A. OSPFv1
- B. OSPFv3 (Right Answers)**
- C. OSPFv4
- D. OSPFv2

Answer: B

283. The router R1 routing table output information is as follows, which is correct? (Multiple choice)

```
<R1>display ip routing-table
Route Flags: R — select, D — download to fib
```

Routing Tables: Public		Destinations : 13		Routes 13	
Destination/Insk	Proto Pre Cost	Flags NextHop	Interface		
0.0.0.0/0 Static	60 0	RD 10.0.14.4	GigabitEthernet0/0/0		
10.0.0.0/8 Static	60 0	RD 10.0.12.2	Interface0/0/0		
10.0.2.0/24 Static	00 0	RD 10.0.13.3	Ethernet0/0/2		
10.0.2.2/32 OSPF	10 00	RD 10.0.21.2	Ethernet0/0/1		

- A. The router forwards the packet with the destination network of 12.0.0.0/8. (Right Answers)
- B. The packet with the destination network of 12.0.0.0/8 will be forwarded from the Ethernet0/0/0 interface of the router.
- C. The packet with the destination network of 11.0.0.0/8 will be forwarded from the GigabitEthernet0/0/0 interface of the router. (Right Answers)**
- D. The router will drop the packet with the destination network of 11.0.0.0/8.

Answer: AC

284. The following election statement about DR and BDR, which is correct? (Multiple choice)

- A. If an interface has a priority of 0, the interface will not participate in the election of DR or BDR. (Right Answers)**
- B. DR must exist in the broadcast network (Right Answers)**
- C. If the priorities are the same, the router ID is compared. The larger the value, the higher the priority is elected as the DR. (Right Answers)**
- D. BDR must exist in the broadcast

network Answer: ABC

285. A Windows host is started for the first time. If the address cannot be obtained from the DHCP server, which of the following IP addresses may the host use?

- A. 127.0.0.1
- B. 169.254.2.33 (Right Answers)**
- C. 255.255.255.255
- D. 0.0.0.0

Answer: B

286. What is the main role of the DHCP DISCOVER message?

- A. The client is used to find the DHCP server. (Right Answers)**
- B. The DHCP server responds to the DHCP DISCOVER packet, which carries various configuration information.
- C. The server responds to the confirmation of the REQUEST message.
- D. The client requests configuration or renews the lease term.

Answer: A

287 As shown in the figure, the two hosts implement inter-machine communication through a single-route. When the available GO/0/1.2 sub-interface receives the data frame sent by Host B to Host A, which of the following operations does the RTA perform?



10.0.2.254 A RTA will discard the data frame
 fr RTA forwards the data frame directly through the G0/0/1.1 subinterface.
 C. After the RTA deletes the VLAN tag 20, it is sent out by the G0/0/1.1 interface_
 A The RTA first deletes the VLAN tag 20, then adds the VLAN tag 10, and then sends it out through the G0/0/1.1 interface (Right Answers)

Answer: D

288.What is the role of link aggregation? (Multiple choice)

- A.Implement load sharing (Right Answers)
- B. Facilitate analysis of data
- C. Increase bandwidth (Right Answers)
- D.Improve network reliability (Right Answers)

Answer: ACD

289. Which of the following is correct about link aggregation for LACP mode?

- A.The number of active ports cannot be set in LAGP mode.
- B. All active interfaces in LACP mode participate in data forwarding and share load traffic.
- G. There are only up to 4 active ports in LACP mode.
- D. In LACP mode, devices at both ends of the link send LACP packets to each other. (Right Answers)

Answer: D

290. The following statement about the Hybrid port, which is correct?

- A.Hybrid port does not require PVID
- B.Hybrid port only receives data frames with VLAN TAG
- C.Hybrid port must carry VLAN TAG when sending data frames.
- D.The Hybrid port can strip the TAG of certain VLAN frames in the outbound direction. (Right Answers)

Answer: D

291_ In the process of establishing PPP link, which phase can be directly converted into by the Dead phase?

- A.Authenticate
- B. Terminate
- C.Establish (Right Answers)
- D.Network

Answer: C

292_ Which of the following values is used in the Length|Type field of the Ethernet data frame, indicating that the packet carrying the PPPoE session phase is carried?

- A. 0x8863
- B 0x8864 (Right Answers)
- C. 0x0800
- D.

0x0806

Answer:

B

293. On the VRP platform, which command can set the encapsulation type of the data link layer of the Serial interface to HDLC? ☐ A. link-protocol hdlc (Right Answers)
☐ B. hdlc enable
☐ C. encapsulation
hdlc ☐ D. link-
protocol ppp

Answer: A

294. SNMPv1 defines five protocol operations. ☐ A. TRUE (Right Answers)
☐ B. FALSE

Answer: T

295. How many domains can be configured when configuring AM authentication on Huawei ARG3 series routers?
☐ A. 33
☐ B. 31
☐ C. 32
☐ D. 30 (Right Answers)

Answer: D

296. After the GRE keepalive function is enabled, the local end of the GRE tunnel periodically sends a keepalive packet to the peer every 10s. ☐ A. TRUE
☐ B. FALSE (Right

Answers) Answer: F

297. A The AAA protocol is the RADIUS protocol. ☐ A. TRUE
☐ B. FALSE (Right

Answers) Answer: F

298. The router Radius information is configured as follows: Which is correct? (Multiple choice)

- ☐ A. The IP address of the accounting server is 200.0.12.1 (Right Answers)
- ☐ B. The IP address of the authorization server is 200.0.12.1
- ☐ C. The source IP address of the router sending Radius packets is 200.0.12.2. (Right Answers)
- ☐ D. The IP address of the authentication server is 200.0.12.1

(Right Answers) Answer: ACD

299. Which of the following SNMP protocols supports encryption?

- A. SNMPv2c
- B. SNMPv3 (Right Answers)
- C. SNMPv2
- D. SNMPv1

Answer: B

301. Which packets are used by the DHCPv6 client and the DHCPv6 server to determine whether the client uses DHCPv6 stateful autoconfiguration or DHCPv6 stateless autoconfiguration? (Multiple choice)

- A. DA (Right Answers)
- B. NA
- C. NS
- D. RS (Right Answers)

Answer: AD

301. What is the destination port number of the DHCPv6 ADVERTISE packet sent by the DHCPv6 server?

- A. 548
- B. 547
- C. 549
- D. 546 (Right Answers)

Answer: D

302. When the DHCPv6 client receives the value of the 0 flag and the 0 flag in the RA message sent by the DHCPv6 server, the DHCPv6 client uses the DHCPv6 stateful auto configuration to obtain the IP address and other configuration information

- A. TRUE
- B. FALSE (Right Answers)
- C. TRUE
- D. FALSE

Answer: B

303. 1/128 is the IPv6 Eui-64 address. A. TRUE (Right Answers)

- A. TRUE
- B. FALSE

FALSE

Answer:

T

304. On the network shown in the following figure, if the static route is configured on the RouterB, the NextHop corresponding to 2001::1/128 is in the routing table of RouterB.
ipv6 route-static 2001::1 128 3001::12:1

- A. 3001::12:2
- B. Te80:1903:c3f
- C. 3002::12:1
- D. 3001::12:1 (Right Answers)

Answer: D

OA. TRUE
OB. FALSE (Right

Answers) Answer. F

306. The broadcast address is a special address in the network address where the host bits are all set to 1. It can also be used as a host address. OA. TRUE
OB. FALSE (Right Answers)

Answer: F

307. As shown in the figure, if the administrator wants to improve the performance of this network, which of the following is the most appropriate?

- A. Use a switch to connect each host and change the working mode of each host to full duplex. (Right Answers)
- B. Use the Hub to connect each host and change the working mode of each host to half duplex.
- C. Use the Hub to connect each host and change the working mode of each host to full duplex.
- D. Use a switch to connect each host and change the working mode of each host to half duplex.

Answer: A

308. If the command is executed on the router: user-interface maximum-vty 0, the following statement which is correct?

- A. Support up to 4 users to access through VTY at the same time
- B. Support up to 15 users to access through VTY at the same time
- C. No user can log in to the router through Telnet or SSH. (Right Answers)
- D. Support up to 5 users to access through VTY at the

same time Answer: C

309. On the VRP operating platform, what is the command to display the current interface configuration in the interface view?

- A. display users
- B. display this (Right Answers)
- C. display ip interface brief
- D. display

version

Answer: B

310. Regarding the conflict domain and the broadcast domain, the description which is correct? (Multiple choice)

- A. The device connected to a HUB belongs to a broadcast domain. (Right Answers)
- B. The device connected to a switch belongs to a conflict domain.
- C. The device connected to a switch belongs to a broadcast domain. (Right Answers)
- D. The device connected to a router belongs to a broadcast domain.
- E. The device connected to a HUB belongs to a conflict domain.

(Right Answers) Answer: ACE

311. What is the priority of the bridge priority in the IEEE 802.1D standard?

- A. 8 (Right Answers)**
- B. 4
- ☐ C. 16
- D. 2

Answer: A

312. In RSTP mode, interfaces in the Discarding state discard received data frames but maintain the MAC address table based on received data frames. OA. TRUE
OB. FALSE (Right

Answers) Answer: F

313. As shown in the figure below, which port of the following switch will become the designated port?

- A. SWC G01012
- B. SWB G0/0/3
- C. SWC G0/0/1
- D. SVVA G0/0/13 (Right Answers)**

Answer: D

314. The device port running STP is in the Forwarding state. Which is correct?

- A. The port only receives and processes **BPDU** and does not forward user traffic. ☐ B. The port forwards both user traffic and BPDU. (Right Answers)
- C. The port does not process BPDU and does not forward user traffic.
- D. The port will build a MAC address table based on the received user traffic but will not forward user traffic.

Answer: B

315 As shown in the network below, the host has an ARP cache which is correct? (Multiple choice)

k The router needs to be configured with static routes, otherwise Host A and Host B cannot communicate in both directions.

B. Host A has the following entries in the ARP cache. 1110.12.2 MAC-C **(Right Answers)**

C Host A has the following entries in the ARP cache_ **11_0_12_1** MAC-8

D. Host A and Host B can communicate in both directions **(Right Answers)**

Answer: BD

316 In the network shown in the following figure, all routers run the OSPF protocol, and the top of the link is the value of the Cost value_ What is the Cost value of the RA) routing table that reaches the network 10.0.0.0/8?

A. 70
B. 20
C. 60 (Right Answers)
B. 100

Answer: C

317. As shown in the following figure, host A does not have a gateway configured. Host B has a gateway ARP cache. Which is correct? (Multiple choice)

A. When the ARP proxy is enabled on G0/0/1 of the router, host A can communicate with host B.

B. Host A and Host B cannot communicate in both directions **(Right Answers)**

G Host B sends a packet with the destination IP address of 10.0.12.1 to be forwarded to host A **(Right Answers)**

D Host A sends a packet with the destination IP address of 11.0.12.1 to be forwarded to host B

Answer: BC

318. In Huawei AR routers, by default, the value of the RIP priority is?

A. 60

n B. 120

C. 100 (Right Answers)
O D. 0

Answer: C

319. When OSPF establishes adjacency, which of the following must be consistent? (Multiple choice)
- A. Router Priority
 - B. Router ID
 - C. Router Dead Interval (Right Answers)
 - D. Area ID (Right Answers)

Answers) Answer: CD

320. What are the advantages of the OSPF protocol? (Multiple choice)
- A. OSPF supports load balancing for equal-cost routes. (Right Answers)
 - B. Supporting the division of regions (Right Answers)
 - C. OSPF supports untyped inter-domain routing (CIDR) (Right Answers)
 - D. OSPF supports packet authentication (Right Answers)

Answer; ABCD

321. What is the destination IP address of the DHCP DISCOVER packet?
- A. 224.0.0.2
 - B. 127.0.0.1
 - C. 224.0.0.1
 - D. 255.255.255.255 (Right Answers)

Answer: D

322. If an Ethernet data frame has LengthType=0x8100, then the payload of this data frame cannot be? (Multiple choice)
- A. ARP response packet
 - B. OSPF packet
 - C. RSTP data frame (Right Answers)
 - D. STP data frame (Right Answers)

Answer: CD

323. The configuration information of an interface of a router is as follows. Which port can receive the data packets of this VLAN?

- A. 100 (Right Answers)
- B. 20
- C. 30
- D. 1

Answer:

A

324. What should I do when the trunk port sends a data frame?

- A. When the VLAN ID is different from the PVID of the port, the data frame is discarded.
- B. When the VLAN ID is different from the PVID of the port, replace it with PVID forwarding.
- C. When the VLAN ID is different from the PVID of the port, strip the TAG forwarding
- D. When the VLAN ID is the same as the PVID of the port and the VLAN ID is allowed to pass through the port, the tag is removed and the packet is sent. (Right Answers)**

Answer: D

325. Which of the following features does HDLC have? (Multiple choice)

- A. HDLC protocol supports point-to-point links (Right Answers)**
- B. HDLC protocol does not support FP address negotiation. (Right Answers)**
- C. HDLC protocol supports point-to-multipoint links
- D. HDLC protocol does not support authentication (Right Answers)**

Answer: ABD

326. The output information of a router is as follows. Which is correct? (Multiple choice)

- A. This interface is a synchronous interface (Right Answers)**
- B. The IP address of the interface is 10.0.12.1124_ (Right Answers)**
- C. The protocol used by the data link layer is PPP. (Right Answers)
- D. When the packet forwarded by this interface exceeds 1400 Byte, the packet needs to be fragmented.

Answer: ABC

327. The Protocol field in the PPP frame format is 0xC023, indicating that the protocol is?

- A. PAP (Right Answers)**
- ☐ B. LCP
- C. CHAP
- D. NCP

Answer: A

328. What is the default ACL step size on the G3 series routers? 0 A. 15

B. 10 (Right Answers)

G. 10

D. 20

Answer:

8

329. What is the range of advanced ACL?

A. 6000-6031

B. 4000-4999

C. 3000-3999 (Right Answers)

D. 2000-2999

Answer: C

330. Which of the following protocols is the IPsec VPN architecture?

A. GRE

B. ESP (Right Answers)

C. IKE (Right Answers)

. AH (Right Answers)

Answer: BGD

331. About the matching mechanism of ACL, which is correct? (Multiple choice)

A. If the ACL does not exist the result of returning the ACL is: no match (Right Answers)

B. If the last rule is found and the packet still does not match, the ACL matching result is mismatch (Right Answers)

c. Regardless of whether the result of the packet matching ACL is 'mismatch', 'allow' or 'deny', the packet is finally allowed to pass or refuse to pass, which is actually determined by each service module applying the ACL (Right Answers)

B. By default, the rule with the lowest number in the ACL starts searching. Once the rule is matched, the subsequent rule is

stopped. (Right Answers) Answer: ABCD

332. The network management workstation manages the network device through the SNMP protocol. When the managed device has an abnormality, what kind of SNMP packet will the network management workstation receive?

A. get-response message

B. trap message (Right Answers)

C. set-request message

D. get-request

message Answer: B

333_ The router does not need to re-encapsulate the data link layer when forwarding IP packets. 0A. TRUE

OB. FALSE (Right Answers)

Answer: F

334 There are 4 routers in a broadcast network, and all 4 routers run OSPFv3 protocol. If all router DR priorities are not 0, how many adjacencies are there in the network?

A. 6

B. 4

C. 5 (Right Answers)

D. 3

Answer: C

335. Which of the following statements about the Prefix Segment is wrong?
- A. Prefix Segment can be automatically assigned by IGP (Right Answers)
 - B. Prefix Segment is spread to other network element through the IGP protocol. It is globally visible and globally valid.
 - C. Prefix Segment requires manual configuration
 - D. Prefix Segment is used to identify a destination address prefix in the network.

Answer: A

336. About the TTL field in the IPv4 header, which is correct?
- A. When a route has a loop, the TTL value can be used to prevent the packet from being forwarded indefinitely. (Right Answers)
 - B. The TTL value is reduced by 1 for each Layer 3 device. (Right Answers)
 - C. The TTL value is 8 bits long. (Right Answers)
 - D. The range of TTL values is 0-255 (Right)

Answers) Answer: ABCD

337. What is the value range of the DSCP field in the IPv4 header?
- El A. 0-15
 - B. 0-63 (Right Answers)
 - C. 0-31
 - D. 0-7

Answer: B

338. UDP is connectionless and must use which to provide the reliability of the transmission?
- A. Network layer protocol
 - B. Application layer protocol (Right Answers)
 - C. Transmission Control Protocol
 - D. Internet Protocol

Answer: B

339. Because the TCP protocol uses three-way handshake mechanism when establishing and closing connections, TCP supports reliable transmission. OA. TRUE
OB. FALSE (Right Answers)

Answer: F

340. Which method VRP does not support to configure the router?
- A. Configure the router through Telnet
 - B. Configure the router through the mini USB port
 - C. Configure the router through the console port.
 - D. Configure the router through FTP (Right Answers)

Answer: D

341. In which view can the administrator modify the device name for the router?
- A. Protocol-view
 - B. System-view (Right Answers)
 - C. User-view
 - D. Interface-

view Answer:

B

342. Which of the following states does the STP protocol elect to perform port roles?
- A. Blocking
 - B. Disabled
 - C. Learning
 - D. Listening (Right Answers)

Answer; D

343. What is the total length of the Rag field in the RSTP BPDU message?
- A. 6
 - B. 4
 - C. 8 (Right Answers)
 - D. 2

Answer:

C

344. Which of the following is not the reason that RSTP can improve the convergence speed?
- A. Introduction of edge ports
 - B. Canceled Forward Delay (Right Answers)
 - C. Fast switching of the root port
 - D. PIA

mechanism

Answer: B

345. Which of the following statements about the edge port in the RSTP protocol is correct?
- A. The edge port can be directly transferred from the Disable state to the Forwarding state. (Right Answers)
 - B. The ports interconnected between the switches need to be set as edge ports.
 - C. The edge port discards the received configuration BPDU packet.
 - D. Edge port participates in RSTP

operation Answer: A

346. A switch running STP can be converted to the Forwarding state after waiting for the forwarding delay in the Learning state. OA. TRUE (Right Answers)
B FALSE

Answer: T

347. In Huawei AR routers, what is the priority of the static routing protocol by default?
A. 60 (Right Answers)
B. 100
C. 120
D 0

Answer: A

348. As shown in the following figure, all routers run OSPF. Which device ABR?

A.Router
D 11
Router C
C. Router A (Right Answers)
D. Router B (Right Answers)

Answer: CD

349 As shown in the following figure, if the host has an ARP cache and host A sends a packet to host B, what is the destination MAC address and destination P address of the packet?

A MAC-C 10 0 12 2
B. MAC-A 11 0.12 1
C MAC-C 11 0 12 1 (Right Answers)
B. MAC-B 11 0.12.1

Answer: C

350. What types of networks are supported by the OSPF protocol? (Multiple choice)

- ☒ A. Point-to-Multipoint **(Right Answers)**
- ☐ B. Non-Broadcast Multi-Access **(Right Answers)**
- ☐ C. Point-to-Point **(Right Answers)**
- ☐ D. Broadcast **(Right Answers)**

Answer: ABM

351. How many types of OSPF packets are there?

- ☐ A. 3
- ☐ B. 4
- ☒ C. 5 **(Right Answers)**
- ☐ D. 2

Answer: C

352. When upgrading the router software using the FTP protocol, which transfer mode should be selected?

- ☐ A. Text mode
- ☐ B. Byte mode
- ☐ G. Streaming byte mode
- ☒ D. Binary mode **(Right Answers)**

Answer: D

353. Which message does the DHCP server use to confirm that the host can use the IP address?

- ☒ A. DHCP ACK **(Right Answers)**
- ☐ B. DHCP DISCOVER
- ☐ C. DHCP REQUEST
- ☐ D. DHCP OFFER

Answer: A

354. A Windows host is started for the first time. If the IP address is obtained by DHCP, what is the source IP address of the first packet sent by this host?

- ☐ A. 127.0.0.1
- ☐ B. 255.255.255.255
- ☒ C. 0.0.0.0 **(Right Answers)**
- ☐ D. 169.254.2.33

Answer: C

355. What is the range of VLAN IDs that users can use? A. 0-4096
B. 1-4096
C. 1-4094 (Right Answers)
D. 0-4095

Answer: C

356. If a port has the following configuration information, which port does the VLAN TAG carry when transmitting data frames of the VLAN7

A. 1,2,3,100
B. 2,3,4,6,100
C. 2,3,100 (Right Answers)
D. 1,2,3,4,6,100

Answer: C

357. The load balancing modes of the two ends of the Eth-Trunk can be inconsistent. OA. TRUE (Right Answers)
OB. FALSE

Answer: T

358. For the network shown in the following figure, the switch uses the sub-interface pair of the machine interface and the router. Which of the following configurations can fulfill this requirement?

A. interface 10 ip address 10 0.12.1 255.255.255 0 # interface GigabitEthernet0/0/2 pod link-type hybrid pod hybrid untag Nan 10 #
B. interface Mandl 0 ip address 10 0.12 1 255 255 255 0 # interface GigabitEthernet0/0/2 pod link-type trunk pod trunk allow-pass Nan 10 # (Right Answers)
C. interface Menai() ip address 10 0 12 1 255 255 255 0 # interface GigabitEthernet0/0/2 pod link-type access port default Nan 10 #
D. interface Vlanif10 ip address 10 0 12 1 255 255 255 0 # interface GigabitEthernet0/0/2 pod link-type trunk pod trunk paid 10 pod

trunk allow-pass Nan 10 # Answer: B

359. In the following options, which is the necessary technology to enable a host with an IP address of 10 0 0 1 to access the Internet?

A. Dynamic routing
B. NAT (Right Answers)
C. Route introduction
D. Static routing

Answer: B

360 As shown in the following figure, from the perspective of the security corner, Router A refuses to receive OSPF packets, GRE packets and IGMP packets received from GO/0/1 Which of the following commands can fulfill this requirement? (Multiple choice)

A act number 3000 rule 5 deny gre rule 10 deny ospf rule 15 deny icmp # interface GmabilEthernet0/0/1 traffic-filter inbound
act 3000 # (Right Answers) B act number 3000 rule 5 deny gre rule 10 deny 89 rule 15 deny icmp # interface
GmabilEthernet1/0/1 traffic-filter inbound act 3000 # (Right Answers)
a eel number 2000 rule 5 deny 47 rule 10 deny 89 rule 15 deny 1 # interface GmabilEthernet0/0/1 traffic-filter inbound eel 2000 #
13_ acl number 3000 rule 5 deny 47 rule 10 deny 89 rule 15 deny 1 # interface GmabrtEthernet0/0/1 traffic-filter inbound ad 3000 # (Right Answers)

Answer: ABO

361_ As shown in the following figure, which of the following configurations can be used to prevent Host A from accessing Host B HTTP service. Host B can not access which service of Host A HP? (Multiple choice)

A acl number 3000 rule 5 deny top source 100.0.12.0/24 destination 103.0.131.0/24 # acl number 3001 rule 5 deny top source 100.0.1300/0255 source-
parrot(to dean.. 100 0 12 0 0.0.255 # acl number 3000 rule 5 deny gre rule 10 deny 89 rule 15 deny icmp # interface
GmabilEthernet1/0/1 traffic-filter inbound act 3000 # (Right Answers)
B act number 3000 rule 5 deny top source 180.0.13.0/24 destination 103.0.12.0/24 # acl number 3001 rule 5 deny top source 100.0.1300/0255 source-
parrot(to dean.. 100 0 12 0 0.0.255 # acl number 3000 rule 5 deny gre rule 10 deny 89 rule 15 deny icmp # interface
GmabilEthernet1/0/1 traffic-filter inbound act 3000 # (Right Answers)
C act number 3000 rule 5 deny top source 180.0.13.0/24 destination 103.0.12.0/24 # acl number 3001 rule 5 deny top source 100.0.1300/0255 source-
parrot(to dean.. 100 0 12 0 0.0.255 # acl number 3000 rule 5 deny gre rule 10 deny 89 rule 15 deny icmp # interface
GmabilEthernet1/0/1 traffic-filter inbound act 3000 # (Right Answers)
D acl number 3000 rule 5 deny top source 180.0.13.0/24 destination 103.0.12.0/24 # acl number 3001 rule 5 deny top source 100.0.1300/0255 source-
parrot(to dean.. 100 0 12 0 0.0.255 # acl number 3000 rule 5 deny gre rule 10 deny 89 rule 15 deny icmp # interface
GmabilEthernet1/0/1 traffic-filter inbound act 3000 # (Right Answers)

Answer: HD

362. 0 packets are carried over TCP. ()
A. TRUE
B. FALSE (Right)

Answers) Answer: F

363. The multicast address FF02::1 represents all nodes in the link-local range. ()
A. TRUE (Right Answers)
B. FALSE

Answer: T

365. In the establishment of adjacency relationship, what is the role of OD packets in OSPFv3?
A. Request missing LSA
B. Used to send the required LSA to the peer router
C. Discover and maintain neighbor relationships
D. To describe your own LSDB (Right Answers)

Answers) Answer: D

366. The simplest form of IPv6 address 3001: 0DB8: 0000: 0000: 0346: ABCD: 42BC: 8D58 is? A. 3001:0DB8::0000:0346:ABCD:42BC:8D58
B. 3001: DB8::0346: ABCD: 42BC: 8058
C. 3001: D68::346: ABCD: 4260: 8058 (Right Answers)
D. 3001:0DB8::0346:ABCD:42BC:8D58

Answer: C

367. When the host adopts DHCPv6 stateless autoconfiguration, which DHCPv6 message is sent by the host to request configuration information?

- A. Information-Request (Right Answers)
- B. CONFIRM
- C. SOLICIT
- D. REBIN

D

Answer:

A

368. What is the length of the IPv6 multicast address flag field?

- A. 3
- B. 2
- C. 4 (Right Answers)
- D. 5

Answer:

C

36g. Which of the following statements about the Node Segment is wrong?

- A. The Node SID cannot be the same as the node Prefix SID. (Right Answers)
- B. Node Segment is used to identify a specific node
- C. Configure the IP address as the prefix on the loopback interface of the node. The Prefix SID of this node is actually the Node SID.
- D. Node Segment is a special Prefix Segment

Answer: A

370. actions of the MPLS

Which of the following are the (Multiple choice)

- A. pop (Right Answers)
- B. switch
- C. swap (Right Answers)
- D. puch (Right Answers)

Answer: ACD

371. If two Huawei S5710 switches are interconnected using a 10 Gigabit optical module, the working mode of the interconnect port defaults to full duplex. OA. TRUE (Right Answers)
OB. FALSE

Answer: T

372. On the Huawei ARG3 router, the -i parameter of the Ping command in the VRP is used to set ?

- A. Interface for sending Echo Request packets (Right Answers)
- B. Source IP address for sending Echo Request packets
- C. Interface for receiving Echo Reply packets
- D. Destination IP address of receiving Echo

Reply packets Answer: A

373. The following statement about the TTL field in the IP packet header, which is correct?

- A. TTL defines the number of packets that the source host can send.
- B. Whenever a packet passes through a router, its TTL value is decremented by 1. (Right Answers)
- C. TTL defines the time interval at which the source host can send packets.
- D. Whenever a packet passes through a router, its TTL value will be increased by 1.

Answer: B

374. Which of the following statements about ICMP messages is correct? (Multiple choice)

- A. The length of the Type field in the ICMP packet format is 8 bits. (Right Answers)
- B. The length of the Checksum field in the ICMP packet format is 8 bits.
- C. The value of the ICMP packet in the first protocol type field of IPv4 is 1. (Right Answers)
- D. The length of the Code field in the ICMP packet format is 8 bits. (Right Answers)

Answer: ACD

375. How does the VRP platform represent the third slot of the router, the sub-card No. 0 and the GE port No. 2.

- A. interface GigabitEthernet 3/2/0
- B. interface Ethernet 3/0/2
- C. interface XGigabitEthernet 3/0/2
- D. interface GigabitEthernet 3/0/12 (Right Answers)

Answer: D

376. Which of the following statements about the Spanning Tree Protocol Root Bridge election is correct?

- A. When the bridge priority is the same, the device with the large MAC address becomes the root bridge.
- B. When the bridge priority is the same, the device with a large number of ports becomes the root bridge.
- C. The device with a smaller bridge priority value becomes the root bridge. (Right Answers)
- D. The bridge with a higher priority value becomes the root bridge.

Answer: C

377. In standard STP mode, which of the following ports on non-root switches forward the BPDUs with TC bits set generated by the root switch?

- A. Root port.
- B. Backup port.
- C. Provisioning port
- D. Designated port (Right

Answers) Answer: D

378. The Message Age in the configuration BPDU sent by the root bridge in the STP protocol is 0.

- A. True (Right Answers)**
- B. Fals

e

Answer:

A

37g. Which of the following parameters should be considered when electing a root port in STP? (Multiple choice)

- A. Duplex mode of the port
- B. Port priority (Right Answers)**
- C. the cost of the port reaches the root switch (Right Answers)**
- D. MAC address of the port
- E. Port slot number, such as GO/0/1 (Right Answers)**

Answer; BCE

380. As shown in the following figure, assume that all routers run OSPF at the same time. Which kind of router is BDR in this network?

- O A. Router A (Right Answers)**
- B. Router B
- C. Router C
- D. Router D

Answer: A

381. The routing table shown below, which of the following statement is correct? (Multiple choice)

- A. The NextHop of the destination network 10.0.3.3/32 is not directly connected, so the router will not forward the packet with the destination IP address of 10.0.0.3.
- B. The router forwards the packet with the destination IP address 10.0.2.2 from Ethernet0/0/0. (Right Answers)
- C. The router forwards the packet with the destination IP address 10.0.12.1 from Ethernet0/0/0.
- D. The router forwards the packet with the destination IP address 10.0.0.3 from

Ethernet0/0/0. (Right Answers) Answer: BD

382. As shown in the figure below, which network device can Host A and Host B use to communicate?

- A. Router (Right Answers)**
- B. Hub
- C. HUB
- D. Layer 2 switch

Answer: A

383. The router output information is as follows, which of the following statement is wrong?

- A. The MTU value of the Ethernet0/0/0 interface is 1480. **(Right Answers)**
- B. The physical link of Ethernet0/0/0 is normal.
- C. The broadcast address corresponding to the Ethernet0/0/0 interface is 10.0.12.255.
- D. The IP address of the Ethernet0/0/0 interface is 10.0.12.1/24.

Answer: A

384. Which of the following is not included in the routing table?

- A. Next hop
- ☐ B. Routing cost
- C. Source address **(Right Answers)**
- D. Target network

Answer: C

385. Which of the following statement about the OSPF backbone area is correct?

- A. Area 0 is the backbone area. **(Right Answers)**
- ☐ B. All areas can be backbone areas
- C. The backbone area must be deployed when the number of routers running OSPF exceeds two.
- D. All routers in the backbone area

are ABR Answer: A

386. What are the advantages of the OSPF protocol? (Multiple choice)

- A. OSPF supports load balancing for equal-cost routes. **(Right Answers)**
- B. OSPF supports Classless inter-domain routing (CIDR) **(Right Answers)**
- C. OSPF supports packet authentication **(Right Answers)**
- D. Supporting the division of areas **(Right Answers)**

Answer: ABCD

387 A DHCP server in the enterprise network is being used to allocate IP addresses to hosts. An administrator discovers however that some hosts are obtaining IP addresses outside of the scope of the DHCP server's address pool. What are the possible reasons for this? (Multiple Choice)
A. All addresses from the DHCP pool have been assigned. (Right Answers)
☒ B. The hosts were unable to discover a DHCP server and therefore generated their own address in the 169.254.0.0 address range. (Right Answers)
C. Another DHCP server exists in the network and is allocating IP addresses to hosts that happen to be within a closer proximity than the authorized DHCP server (Right Answers) ☐ D. The hosts were unable to discover a DHCP server and therefore generated their own address in the 127.254.0.0 address range.

Answer: ABC

388.[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

The configuration of vty is as shown above, and the user privilege level is set to level 3.

A.True (Right Answers)

B.Fals

e

Answer:

A

389. The aggregation port of the router can be configured with a routing subinterface.

A.True (Right Answers)

B.Fals

e

Answer:

A

390. Which VLAN partitioning method is most appropriate when the host frequently moves the location?

A.Based on IP subnetting

B. Based on NIAC address division (Right Answers)

C.Basic strategy division

D.Port-based

partitioning Answer:

B

391. On the VRP platform, the role of the command "interface vlan <vlan-id>" is 0.

A.Create or enter the VLAN virtual interface view. (Right Answers)

B.Create a VLAN

C.No such command

D. Configure a VLAN for

aport Answer: A

392_ NATP distinguishes the IP addresses of different users by protocol numbers in TCP or UDP or IP packets.

- A. True
- B. False (Right Answers)**

Answer: B

393. Which message need to send when needing to terminate a PPPoE session?

- A. PADR
- B. PADT (Right Answers)**
- G. PADO
- D. PADI

Answer: B

394. Which of the following are the advantages of the PPP protocol? (Multiple choice)

- A. PPP protocol supports negotiation of link layer parameters (Right Answers)**
- B. PPP protocol supports negotiation of network layer parameters (Right Answers)**
- C. PPP protocol supports both synchronous transmission and asynchronous transmission.
- (Right Answers)**
- D. PPP protocol supports authentication (Right Answers)**

Answer: ABCD

395 The network shown below. Which of the following configurations enables all hosts to communicate with Host C, but Host A and Host B cannot communicate?

- A. act number 4000 rule 5 deny destination mac 5439-93ea-4010 source-mac 5489-9843-104d # interface GigabitEthernet0/0/1 traffic-filter inbound
acl 4000 #
- B. act number 4000 rule 5 deny destination-mac 5489-98e8-4c7c source-mac 5489-98d3-104d # interface GigabitEthernet0/0/1 traffic-filter outbound
act 4000 #
- C. act number 4000 rule 5 deny destination-mac 5439-98ca-4c7c source-mac 5489-9300-550e # interface GigabitEthernet10/0/1 traffic-filter inbound
act 4000 # (Right Answers)
- B. act number 4000 rule 5 deny destination-mac 5489-983a-400 source-mac 5489-98c0-550e # interface GigabitEthernet0/0/1 traffic-filter outbound
acl 4000 #

Answer: C

396. As shown in the figure: IPsec VPN is used to transfer data between two hosts. In order to hide the real IP address and ensure the security of data as high as possible, which mode and protocol of IPsec VPN is better? (Multiple choice)

- A. All
- B Tunnel mode (Right Answers) a Transmission mode**
- B. ESP (Right

Answers) Answer:

BD

397. Apply the following ACL in Telnet: which of the following statement is correct? acl number 2000
rule 5 deny source 172.16.105.30
rule 10 deny source 172.16.105.40
rule 15 deny source 172.16.105.50
rule 20 permit

- A. The device with IP address 172.16.105.6 can use the Telnet service. **(Right Answers)**
- B. The device with IP address 172.16.105.3 can use the Telnet service.
- C. The device with IP address 172.16.105.5 can use the Telnet service.
- D. The device with IP address 172.16.105.4 can use the Telnet service.

Answer: A

398. Which of the following IPv6 addresses is a link-local address?

- A. FC00::2E0: FCFF: FEEF: FEC
- B. FE80::2E0: FCFF: FEEF: FEC **(Right Answers)**
- C. 2000::2E0: FCFF: FEEF: FEC
- D. FF02::2E0: FCFF: FEEF: FEC

Answer: B

399. Which field in the Fv6 header acts like the TTL field in the IPv4 header?

- A. Version
- B. Traffic Class
- C. Hop Limit **(Right Answers)**
- D. Next

Header

Answer: C

400. What are the three main roles in the DHCPv6 basic protocol architecture?

(Multiple choice)

- A. DHCPv6 switch
- B. DHCPv6 relay **(Right Answers)**
- C. DHCPv6 client **(Right Answers)**
- D. DHCPv6 server **(Right Answers)**

Answer: BCD

401. The value of the MO flag in the RA message sent by the DHCPv6 service is 01. Which of the following methods does the host use to automatically configure the address?

- A. Value does not make any sense
- B. DHCPv6 stateless autoconfiguration **(Right Answers)**
- C. DHCPv6 stateful autoconfiguration
- D. Stateless

autoconfiguration

Answer: B

402. Which of the following statements about the S field in the MPLS packet header is correct?
(Multiple choice)
- A. Is there any other label after marking this label, 1 means yes, 0 means no
 - B. The S bit exists in each MPLS packet header. (Right Answers)
 - C. Is there any other label after marking this label, 0 means yes. 1 means no (Right Answers)
 - D. S bit has only 1 bit in frame mode and 2 bits in cell mode.

Answer: BC

403. <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]:
The administrator configured the above on the AR2200, and which of the following description about the configuration information is correct?
- A. The saved configuration file will be replaced by the running configuration file.
 - B. If the user wants to clear the saved configuration file, he should select "Y" (Right Answers)
 - C. If the user wants to clear the saved configuration file, he should select "N"
 - D. The configuration file will be retained when the device starts up.

Answer: B

404. On the VRP interface, use the command startup saved-configuration backup.cfg to configure the backup.cfg file for the next startup.
- A. True (Right Answers)
 - B. False

Answer: A

405. Which of the following states is the STP port converted between exist Forward Delay?
(Multiple choice)
- A. Forwarding-Disabled
 - B. Blocking-Listening
 - C. Disabled-Blocking
 - D. Listening-Learning (Right Answers)
 - E. Learning-Forwarding (Right Answers)

Answer: DE

406. Which of the following parameters should be considered when electing a root port in STP?
(Multiple choice)
- A. Duplex mode of the port
 - B. Port slot number, such as GO/0/1
 - C. Port MAC address (Right Answers)
 - D. Port priority (Right Answers)
 - E. the cost of the port reaches the root switch (Right Answers)

Answers) Answer: CDE

407. Which of the following port states does not the RSTP protocol include?
- A. Blocking (Right Answers)
 - B. Forwarding
 - C. Discarding
 - D. Learning

Answer: A

408. Which router is the BDR in this network, as shown in the figure below?

- A. Router B
- B. Router A
- C. no BDR (Right Answers)
- D. Router C

Answer: C

409. It is known that the routing table of a router has the following two entries:

If the router wants to forward a message with a destination address of 9.1.4.5, which of the following statement is correct?

- A. Select the second item as the best match because Ethernet is faster than Serialo
- B. Select the first item as the best match because the OSPF protocol has a higher priority value.
- G. Select the second item as the best match because the RIP protocol has a lower generation value.
- D. Select the second term as the best match because the route is a mare accurate match than the destination address of 9.1.4.5 (Right Answers)

Answer: D

410. The following is the routing table of router R1. If R1 sends a packet with the destination IP address of 10.0.2.2, which interface does it need to send from?

- A. Ethernet0/0/2
- B. Ethernet0/0/1 (Right Answers)
- C. Ethernet0/0/0
- D. GigabitEthernet0

/0/0 Answer: B

411. When routers are running in the same OSPF area, which of the following description of their LSDB and routing table is correct? (Multiple choice)

- A. The link state database obtained by each router is different.
- B. The routing table of each router is different. (Right Answers)
- C. The link state database obtained by all routers is the same (Right Answers)
- D. The routing tables obtained by all routers are the same.

Answer: BC

412. Which of the following elements are included in the routing table? (Multiple choice)

- A. Interface (Right Answers)
- B. Protocol (Right Answers)
- C. Destination/Mask (Right Answers)
- D. Cost (Right Answers)
- E. NextHop (Right Answers)

Answer: ABCDE

413. The output information of a router routing table is as follows. Which of the following statement is correct? (Multiple choice)

- A. The NextHop of this router reaching 10.0.0.1 is 10.0.21.2.
- B. The NextHop of this router reaching 10.0.2.2 is 10.0.21.2. (Right Answers)
- C. The NextHop of this router reaching 10.0.0.1 is 10.0.12.2. (Right Answers)
- D. The NextHop of this router reaching 10.0.2.2 is 10.0.12.2.

Answer: BC

414. By default, how long is the lease time of the IP address assigned by the DHCP server?

- ☐ A. 1 h
- ☒ B. 24h (Right Answers)
- ☐ C. 12h
- ☐ D. 18h

Answer: B

415. Which of the following applications is based on the TCP protocol? (Multiple choice)

- A. FTP (Right Answers)
- B. HTTP (Right Answers)
- C. Ping
- D. TFTP

Answer: AB

416 The DHCP server function is enabled on an interface of the router. Which of the following IP addresses may the DHCP client obtain? interface GigabitEthernet0/0/1

ip address 11 0 1 1 255

255.255.0 dhcp select

interface

dhcp server excluded-ip-address 11 0 1 2 11 0 1.127

A 11 0 1 1

B. 11.0.1.100

C 11.0.1 254 (Right Answers)

D. 11.0.1.255

Answer: C

417. In the switch, which VLANs can be deleted by using the undo command? (Multiple choice)

A. vlan 4094 (Right Answers)

B. vlan 1

C. vlan 2 (Right Answers)

D. vlan 1024 (Right Answers)

Answer: AGD

418 In the network shown in the following figure, the output information of switch A is as follows. In the current MAC address table of switch A, which interface does the MAC address of host B correspond to?

A GigabitEthernet0/0/2

B. Eth-Trunk 1 (Right

Answers) C

GigabitEthernet0/0/1

B.

GigabitEthernet0/0/3

Answer: B

419. As shown in the following figure, the router configuration information is as follows. Which of the following statement is correct?

Router A interface
GigabitEthernet0/0/0.100 dot1q
termination vid 200
ip address 10.0.12.1 255.255.255.0
arp broadcast enable

Router B
interface
GigabitEthernet0/0/0.200
dot1q termination vid 200
ip address 10.0.12.2 255.255.255.0
arp broadcast enable

A. 10.0.12.1 can ping 10.0.12.2 (Right Answers)

B. The sub-interface of Router A cannot learn the MAC address of the sub-interface of Router B.

C. The sub-interface of Router B cannot learn the MAC address of the sub-interface of Router A.

D. Router A and Router B cannot communicate because the sub-interface numbers of Router A and Router B are inconsistent.

Answer: A

420. Which of the following parameters does the LCP negotiation use to detect link loops and other anomalies?

A. CHAP

B. M

RU EI C.

PAP

D. Magic word (Right Answers)

Answer; D

421. Static NAT can only implement one-to-one mapping between private addresses and public addresses.

A. True (Right Answers)

B. F

also

Answer:

A

422. Which of the following does AAA not include?

A. Accounting

B. Authorization

C. Audit (Right Answers)

D. Authentication

Answer: C

423. Which authorization modes does W support on Huawei ARG3 series routers?
(Multiple choice)
- A. HWTACACS authorization **(Right Answers)**
 - B. Nat authorized **(Right Answers)**
 - C. Authorization after successful RADIUS authentication **(Right Answers)**
 - D. Local authorization **(Right Answers)**

Answer: ABCD

424. Which of the following about the function of the AH protocol in IPsec VPN is wrong?
- A. Support data integrity check
 - B. Support anti-message playback
 - C. Support packet encryption **(Right Answers)**
 - D. Support data source verification

Answer: C

425 As shown in the following figure, the router functions as the DHCPv6 relay agent and Router B functions as the DHCPv6 server. Which of the following parameters must be configured on Router B? (Multiple choice)

- A. Enable RA on port GE0/0/1 of Router B
- B. IPv6 address of the DHCPW relay
- C. DHCPv6 DUID **(Right Answers)**
- D. DHCPv6 address pool **(Right**

Answers) Answer: CD

426. How many times is the total length of an IPv6 address the length of an IPv4 address?
- A. 4 **(Right Answers)**
 - B. 3
 - C. 5
 - D. 2

Answer: A

427. Which of the following extended headers are supported by IPv6 packets?
{Multiple choice}
- A. VLAN extension header
 - B. hop-by-hop option extension header **(Right Answers)**
 - C. Destination option extension header **(Right Answers)**
 - D. Slice extension header **(Right Answers)**

Answer: BCD

428. Which packet does the DHCPv6 server use to reply to Solicit packets?
- A.Request
 - B. Advertise (Right Answers)**
 - C.Offer
 - D.Reply

Answer: B

429. The MPLS architecture consists of a Control Plane and a Forwarding Plane. The forwarding plane mainly performs label switching and packet forwarding.
- A.True (Right Answers)**
 - B.Fals

e

Answer:

A

430. What is the length of the Ethernet_II frame that contains the Ethernet header?
- A.64-15188 (Right Answers)**
 - B. 60-1560B
 - C. 64-1500B
 - D. 46-1500B

Answer: A

431. The Tracert diagnostic tool in Huawei routers uses UDP to encapsulate trace data.
- A. True (Right Answers)**
 - B.Fals

e

Answer:

A

432. The broadcast address of the subnet 192.168.1.0/24 is 192.168.1.255.
- A.True
 - B. False (Right Answers)**

Answer: B

433. Which memory saved configuration is used to select VRP version file when the device starts up?
- A. NVRAM (Right Answers)**
 - B.SD Card
 - C. Flash
 - D.USB

Answer:

A

434. Which of the following parameter settings for terminal emulation are correct when configuring a router through the Console port? A.9600bps, 8 data bits, 1 stop bits, even parity check, and hardware flow control.
B.19200bps, 8 data bits, 1 stop bits, no parity check, and no flow control. C.4800bps, 8 data bits, 1 stop bits, odd parity check, and no flow control.
D.9600bps; 8 data bits, 1 stop bits; no parity check ; and no flow control. **(Right Answers)**

Answer: D

435. Which layer of the OSI reference model does the switch work on?
A.Network layer
B.Transport layer
C. **Data link layer (Right Answers)**
D.Physical layer

Answer: C

436. Which of the following statements about the Alternate port in the RSTP protocol is correct?
A. The Alternate port serves as a backup for the specified port and provides another backup path from the root bridge to the corresponding network segment.
B. Alternate port forwards user traffic and learns MAC address
C. Alternate port does not forward user traffic but learns MAC address
D. **Alternate port provides another switchable path from the designated bridge to the root as the backup port of the**

root port **(Right Answers)** Answer: D

437. Which of the following port states does the RSTP protocol not include?
A.Discarding
B.**Blocking (Right Answers)**
C.Learning
D.Forwardi

ng Answer:

B

438. In the RSTP standard, in order to improve the convergence speed, the port directly connected to the terminal by the switch can be defined as 0.
A.Fast
port O B. Root port
O C. **Edge port (Right Answers)** O D. Backup port

Answer: C

- 439.VRP operating platform, which of the following commands can only view static routes?
A.display ip routing-table verbose
B.display ip routing-table statistics
C. **display ip routing-table protocol static (Right Answers)**
D.display ip routing-

table Answer: C

440. Which layer of the OSE reference model does the router work on?

- A. Data link layer
- B. Network layer (Right Answers)**
- C. Application layer
- D. Transport

layer Answer:

B

441. Which of the following description of static and dynamic routing is wrong?

- A. Dynamic routing protocols take up more system resources than static routes
- B. Static routing is simple to configure and easy to manage when applied in an enterprise.
- C. After a link fails, static routes can automatically complete network convergence. (Right Answers)**
- D. After administrators deploy dynamic routing protocols in the enterprise network, post-maintenance and expansion can be more convenient.

Answer; C

442. Which of the following features does the OSPF protocol have?

- A. Easy to generate routing loops
- B. Calculate the shortest path in hops
- C_ Supporting the division of regions (Right Answers)**
- D. Poor scalability

Answer: C

443. A router runs OSPF and does not specify a router ID. The P address of all interfaces is as follows. What is the router ID of the router OSPF protocol?

- A. 10.0.12.1
- B. 10.0.1.2 (Right Answers)**
- C. 10.0.21.1
- D. 10.0.1.1

Answer: B

444. What port number is used by the FTP protocol to control plane?

- A. 22
- B. 21 (Right Answers)**
- C. 24
- D. 23

Answer:

B

445_ An administrator cannot log in to the AR22013 router through Telnet. However, other administrators can log in normally. Which of the following are possible causes? (Multiple choice)

- A. The admin user account has been deleted **(Right Answers)**
- B. The admin user account has been disabled **(Right Answers)**
- C. The privilege level of the admin user account has been modified to 0. The Telnet service of the AR2200 router has been disabled.

Answer: AB

446 The Eth-Trunk port in manual link aggregation mode, whose transmission rate is related to 0 (Multiple choice)

- A. Bandwidth of member ports **(Right Answers)**
- B. Is the member port on the public or private network?
- C. Is the IP address configured on the member port?
- D. Number of member ports **(Right Answers)**

Answer: AD

447. As shown in the following figure, the ports connected to the host of Switch A and Switch B belong to 10 and VLAN 10 respectively. The port A of the switch is Trunk and the PV1D is to and OIL. Which of the following statements are correct? (Multiple choice)

- A. Host A and host B can communicate via VLAN 10. (Right Answers)
- B. Host A's ARP request can be forwarded to host B.
- C. The switch does not carry a VLAN TAG when forwarding data frames sent by the host. (Right Answer.)

Answer: BD

448 The authentication scheme, authorization scheme, accounting scheme, HWTACACS, or RADIUS server template created on the AR router can take effect only after it is applied in the domain.

- A. True **(Right Answers)**
- B. False

Answer: A

449. The router can assign a specified IP address to the host through a stateless address autoconfiguration scheme. A True

- B. False **(Right Answers)**

Answers) Answer: B

450_ Which multicast address is used in OSPFv3 to represent all routers?

- A. FF02::6
- B. FF02::8
- C. FF02::5 **(Right Answers)**
- D. FF02::1

Answer: C

451_ The OSPFv3 adjacency can be established only after the IP& address prefixes of the two ends are the same.

- A. True
- B.False (Right Answers)**

Answer: B

452. Which of the following IPv6 addresses has a Solicited-node multicast address of

FF02::1 :FF12:12 A. 2020::1200:1

2019::12:1 (Right Answers)

201g:112:10

00 a

2020:112ABI1

Answer: B

453. Which of the following statements about the Adjacency Segment is wrong?

- A.Adjacency Segment is used to identify a certain adjacency of a node in the network_
- B.Adjacency Segment is identified by Adjacency Segment ID (STD)
- G. Adjacency Segment spreads to other network elements through the IGP protocol, which is globally visible and valid locally.
- D. Adjacency Segment must be manually configured (Right Answers)**

Answer:

454. What levels are not included in the TCPIIPv4 model? (Multiple choice)

- A.Session layer (Right Answers)**
- B. Presentation layer (Right Answers)**
- C. Network layer
- D. Transport layer
- E.Application layer

Answer: AB

455.In the OSI reference model, which of the following has the ability to perform end-to-end error detection and flow control?

- A.Physical layer
- B.Data link layer
- G. Network layer
- ID_ Transport layer (Right Answers)**

Answer:

456 As shown in the figure, after the network administrator completes the Telnet configuration on the router, it is found that the host cannot establish a connection with the router through Telnet. Which of the following options can help solve this problem? (Multiple choice)

- A. Check if the switch has a default gateway address configured_
- B Use Ping to check the IP connectivity between the host and the router GO/0/0 interface (Right Answers) C Check if the Telnet configuration on the router is correct (Right Answers)
- D_ Check if the host's ARP cache table overflows

Answer: BC

457. After receiving the BREW set by the TC, the switch running the RSTP protocol clears the MAC address learned by all ports.

- A. True
- ☐ B. False (Right Answers)

Answer: B

458. In the RSTP protocol, when the topology is stable, which port roles are in the Discarding state? (Multiple choice)

- A. Backup port (Right Answers)
- B. Designated port
- C. Alternate port (Right Answers)
- D. Root

port

Answer:

AC

459. Which of the following statement about STP messages is correct? (Multiple choice)

- A. During the initialization process, each switch that enables STP protocol actively sends configuration BPDUs. (Right Answers)
- B. When the port is enabled with STP, the switch periodically sends TCN BPDUs from the specified port.
- C. The BPDU packet is encapsulated in an Ethernet data frame, and the destination MAC address is a multicast MAC address. (Right Answers)
- D. There are two types of packets in the STP protocol, configuration BPDUs and TCN BPDUs. (Right Answers)

Answer: ACD

460. What is the value of the Type field in the RSTP configuration BPDUs?

- A. 0x01
- B. 0x03
- C. 0x00
- D. 0x02 (Right Answers)

Answer: D

461. Which of the following cases will the switch running RSTP generate a configuration BPDU with TO set?

- A. A non-edge port migrates to the Forwarding state (Right Answers)
- B. Backup port down
- C. Edge port migrates to Forwarding state
- D. Edge port migrates to

Discarding state Answer: A

462. Which of the following routing protocols can generate a default route? (Multiple choice)

- A. OSPFv3 (Right Answers)
- B. Direct
- C. OSPF (Right Answers)
- D. Static (Right Answers)

Answer: ACD

463. The router running OSPF first reaches the FULL state, and then performs LSDB synchronization.

A. True

B. False (Right Answers)

Answer: B

464. As the network shown in the following figure, all routers run OSPF. The top of the link is the value of the Cost. What is the path of the RA to the network 10.0.0.8/8?

0 A. 70

0 B. 100

0 C. 60 (Right Answers)

0 D. 20

Answer: C

465. Which packet does OSPF use to acknowledge received LSU packets?

A. LSACK (Right Answers)

B. LS

A E I C.

LSR

D. LSU

Answer: A

466. If the Proto of a routing information in the routing table is OSPF, the priority of this route must be 10.

A. True

B. False (Right Answers)

Answer: B

467. On the serial interface, you can configure a static route by specifying the next hop address or outbound interface.

A. True (Right Answers)

B. Fals

e

Answer:

A

468 If the network shown in the following figure is used to make the loopback communication between Router A and Router B through static routes, which of the following command needs to be entered on Router A?

```
A p route-static 100 2 32 GigabitEthernet 0/0/0
13_ ip route-static 255.255.255.255 100 12 1
a ip route-static 10 2 255.255.255.10 0.0.0.0 2 (Right
    0 2 255.255.255.10
    ip route-static 100 2 20
```

GigabitEthernet 0/0/0 Answer: C

469. TFTP is based on the TCP protocol.

- A. True
- B. False (Right)

Answers) Answer: B

470. The output information of a switch is as follows. Which of the following statements is correct? (Multiple choice)

- A. The user manually created 4 VLANs. (Right Answers)
- B. When the GE0/0/1 port of the switch sends the data frame of VLAN 10, it does not carry the VLAN TAG. (Right Answers)
- C. When the GE0/0/2 port of the switch sends the data frame of VLAN 20, it carries the VLAN TAG.
- D. When the GE0/0/1 port of the switch sends the data frame of VLAN 20, it does not carry the VLAN TAG.

Answer: AB

471. A trunk port and a Hybrid port are handled in the same way when receiving data frames.

- A. True (Right Answers)
- B. False

e

Answer:

A

472. Which of the following PPPoE messages are sent non-unicast?

- A. PADS
- B. PADI (Right Answers)**
- C. PADO
- . PADR

Answer: B

473. Which of the following fields does the HDLC frame consist of? (Multiple choice)

- A. Control field (C) (Right Answers)**
- B. Frame Check Sequence Field (FCS) (Right Answers)**
- C. Address field (A) (Right Answers)**
- _ Flag field (F) (Right Answers)**

Answer: ABCD

474_ The following figure shows the encapsulation format of the data packet in IPsec VPN_ Which format is the type of data packet used to encapsulate in IPsec V1417

- A. Tunnel mode (Right Answers)**
- B. Universal mode
- C. Transmission mode
- ID_ This encapsulation is error

Answer: A

475. Which of the following SNMP messages is sent to the NMS by the agent on the managed device?

- A. Get-Next-Request
- B. Get-Request
- C. Set-Request
- . Response (Right Answers)**

Answer:

476 The ACL does not filter the traffic that the device itself generates to access other devices. Only the forwarded traffic is filtered The forwarded traffic includes traffic that other devices access the device.

- A True (Right Answers)**
- B False

Answer: A

477. What is the number range of the Layer 2 ACL?

- A. 4000-4999 (Right Answers)**
- B. 6000-6031
- C. 2000-2999
- . 3000-3999

Answer: A

478. Which of the following statement about ipv6 address configuration is correct? (Multiple choice)
- A. IPv6 address supports multiple ways of automatic configuration **(Right Answers)**
 - B. IPv6 supports DHCPv6 format for address configuration **(Right Answers)**
 - C. IPv6 addresses can only be manually configured.
 - D. IPv6 supports stateless autoconfiguration **(Right Answers)**

Answer: ABD

479. The OSPFv3 protocol itself does not provide authentication.
- A. True **(Right Answers)**
 - B. False

Answer: A

480. The Flow Label Field, Source Address Field, and Destination Address field in IPv6 together specify a forwarding path in the network for a particular data stream. ☐ A. True **(Right Answers)**
☐ B. False

False

Answer:

A

481. Which of the following IPv6 addresses is a multicast address?
- A. FF02::2E0: FCFF: FEEF: FEC **(Right Answers)**
 - B. FE80::2E0: FCFF: FEEF: FEC
 - C. 2000::2E0: FCFF: FEEF: FEC
 - D. FC00::2E0: FCFF:

FEEF: FEC Answer: A

482. Which technology does the shared medium network use for data forwarding?
- A. CDMA/CD **(Right Answers)**
 - B. CSMA/CD
 - C. TDMA/CD
 - D. CSMA1

CD Answer:

A

483. Which of the following IPv4 addresses is a Class A address?
- A. 100.1.1.1
 - B. 172.16.1.1
 - C. 121.1.1.1 **(Right Answers)**
 - D. 192.168.1.1

484. How many ways does VRP support to configure router? (Multiple choice)
- A. Configure the router through Telnet **(Right Answers)**
 - B. Configure the router through FTP
 - C. Configure the router through the miniUSB port **(Right Answers)**
 - D. Configure the router through the console port. **(Right Answers)**

Answer: ACD

485.

The above is the display startup information of the AR2200 router. For this information, which of the following statements is wrong?

- A. The running configuration file is not saved
- B. The system file used for starting the device is ar22204200r003c0Ospc200.cc
- C. The system file of the next startup of the device can be modified by using the command "startup system software <startup-software-name>".
- D. The system file cannot be modified when the device starts next time.

(Right Answers) Answer: D

486. In the VRP system, which of the following functions does the Ctrl +Z combination key have? (Multiple choice)

- A. Exit the console interface view.
- B. Return to the user view from the system view **(Right Answers)**
- C. Exit interface view
- D. Return to the user view from arty view **(Right Answers)**
- E. Exit the current view

Answer: BD

487. Which of the following description of the Forwarding state in the spanning tree protocol is wrong?

- A. port in Forwarding state can send BPDUs.
- B. port in Forwarding state does not learn the source MAC address of the packet. **(Right Answers)**
- C. port in Forwarding state can forward data packets
- D. port in Forwarding state can receive BPDUs.

Answer: B

488. The bridge ID of the STP protocol in the switching network is as follows. Which of the following bridge ID owned by switch will become the root bridge? A. 32768 00-01-02-03-04-AA

- B. 32768 00-01-02-03-04-BB
- C. 32768 00-01-02-03-04-CC
- D. 4096 00-01-02-03-04-DD **(Right Answers)**

Answer: D

489. The RSTP protocol uses the PIA mechanism to speed up the speed at which the upstream port goes to the Forwarding state, but the loop is not available, what is the reason?
- A. Introduced edge ports
 - B. Shortened the time of Forward Delay
 - C. Ensure that loops do not occur by blocking its own non-root ports (Right Answers)
 - D. Speed up the port role

election Answer: C

490. Which of the following statement about the dynamic MAC address table is correct? (Multiple choice)
- A. The interface learns by using the source MAC address in the packet. The entry can be aged. (Right Answers) CI
 - B. Dynamic entries are lost after system reset, hot swappable interface board, or interface board reset
 - C. can obtain the number of users communicating on the interface by viewing the number of dynamic MAC address entries. (Right Answers) O
 - D. The saved entries are not lost after the system reset, hot swappable interface board, or interface board reset. (Right Answers)

Answer, ACD

491. Which of the following protocols is dynamic IGP routing protocol?
- A. Static
 - B. BGP
 - C. OSPF (Right Answers)
 - D. Direct

Answer: C

492. The router needs to modify the destination IP address in the data packet when forwarding the data packet.
- A. True
 - B. False (Right Answers)

Answer: B

493. route-static 10.0.2.2 255.255.255.255 10.0.12.2 preference 20, which of the following statement about this command is correct?
- A. The route must appear in the routing table.
 - B. The destination network of the route is 10.0.12.2/32
 - C. The priority of this route is 100.
 - D. The mask length of the route destination network is 32 bits. (Right Answers)

Answer:

494. Which of the following statement about the OSPF protocol DR is correct?
- A. DR must be the highest priority device in the network
 - B. DR election is preemptive
 - C. Router ID. The larger the value, the higher the priority is elected as DR.
 - D. An interface priority is 0, and then the interface cannot be a DR (Right Answers)

Answer: D

- 495_ Which of the following statement about the priority of static routes in Huawei devices is incorrect?
- A. The default value of static route priority is 60.
 - B. The priority value of the static route is 255, indicating that the route is unavailable.
 - G. The static route priority value ranges from 0 to 255. (Right Answers)
 - O. The priority of static routes is divided into internal priority and external priority. Administrators can

modify external priority Answer: C

- 496_ The router starts the FTP service_ The username and password are both huawei, and the root directory of the FTP is set to flash:/dhcp/. Which of the following commands must be configured? (Multiple choice)
- A. local-user huawei password cipher huawei (Right Answers)
 - B. ftp user enable (Right Answers)
 - C. local-user huawei service-type ftp (Right Answers)
 - B_ local-user huawei ftp-directory flash:/dhcp/ (Right Answers)

Answer: ABCD

- 497 The priority of the LACP protocol is as shown in the figure. Switch A and Switch B adopt link aggregation in LACP mode, and all interfaces join the link aggregation group. The maximum number of active ports is set to 3. Which port of switch A is not the active port?

- A. G0/0/2
- 11 G0/0/3 (Right Answers)
- a G0/0/0
- D.

G0/0/1

Answer:

B

498. If an Ethernet data frame has LengthType=0x8100, which of the following statement is correct?

- A. This data frame must carry VLAN TAG (Right Answers)
- B. The TCP header must exist in the upper layer of this data frame.
- C. The UDP header must exist in the upper layer of this data frame.
- . The IP header must exist in the upper layer of this data frame.

Answer: A

- 49.9. Which of the following description about the trunk port and the Access port is correct?

- A. The Trunk port can only send tagged frames.
- B. The Trunk port can only send untagged frames.
- C- The Access port can only send tagged frames.
- The Access port can only send untagged frames.

(Right Answers) Answer:

- 500 As shown in the following figure, Switch A and Router A are connected through two links_ The two links are in the manual load balancing mode The a/minimal port number is 1, and the data is forwarded through the aggregation link which needs to carry VLAN TAG 100, which configuration does Router A need to use? (Multiple choice)

a

- A. interface Eth-Trunk1 port-tune port trunk load-balance vlan 100 # interface GigabitEthernet0/24 # interface GigabitEthernet0/24 # interface GigabitEthernet0/24 #
- B. interface Eth-Trunk1 undo portswitch # interface Eth-Trunk100 # interface GigabitEthernet0/24 # interface GigabitEthernet0/24 # interface GigabitEthernet0/24 #
- C. interface Eth-Trunk1 mode lacp-static # interface Eth-Trunk100 # interface GigabitEthernet0/24 # interface GigabitEthernet0/24 # interface GigabitEthernet0/24 #
- EI C. interface Eth-Trunk1 mode lacp-static # interface Eth-Trunk100 # interface GigabitEthernet0/24 # interface GigabitEthernet0/24 # interface GigabitEthernet0/24 #
- GigabitEthernet0/24 # interface GigabitEthernet0/24 # interface GigabitEthernet0/24 #
- Answers)

Answer: BB

501_ Which of the following functions are supported by the LCP protocol in the PPP protocol?
{Multiple choice}

- A.Negotiate the maximum receiving unit MRU (Right Answers)
- B.Negotiate the authentication protocol (Right Answers)
- C.Negotiate the network layer address
- D.Detect link loops (Right Answers)

Answer: ABD

502 A company has 50 private IP addresses. The administrator uses NAT technology to connect the company network to the public network. However, the company has only one public network address. Which of the following NAT conversion methods meets the requirements?

- A easy-ip (Right Answers) NAT
- G Dynamic conversion a
- Static conversion)

Answer: A

503 As shown in the figure, there is a Web server in the private network that needs to provide HTTP services to public network users. Therefore, the network administrator needs to configure NAT on the gateway router RTA to implement the requirements. Which of the following configuration can meet the requirements?

```
A [RTA-Serm11/0/1]nat server protocol tcp global 202.10.101.1 www inside 192.168.1.1 8080 (Right Answers) [RTA-Sen11/0/1]na1 server protocol tcp global 192.168.1.1 www inside 20210_101 8080
G [RTA-Gmabitherne10/0/1]nat server protocol tcp global 20210.101 www inside 192_168 1_1 8080 E_ [RTA-Gmabithernet0/0/1]nat server protocol tcp global 192168_11 anew inside 20210101 8080
```

Answer: A

504 When deploying an ACL on a Huawei device, which of the following description is correct? (Multiple choice) k When ACLs define rules, they can only be advanced in the order of 10, 20, and 30

- B.The same ACL can be called under multi interfaces (Right Answers)
- C.Can only be applied to the outbound direction when the ACL is called on the interface.
- D.ACLs cannot be used to filter OSPF traffic because OSPF traffic is not encapsulated using UDP protocol.
- E.The ACL can match the TCP/UDP port number of the packet, and can specify the range of the port number. (Right Answers)

Answer: BE

505. Which of the following message types does RADIUS use to indicate authentication rejection?

- A.Access-Reject (Right Answers)
- B.Access-Request
- G. Access-Challenge
- D. Access-Accept

Answer: A

506. Which authentication modes does AAA support on Huawei AR G3 series routers? (Multiple choice) A. 802.1x

- B. None (Right Answers)
- C. HWTACACS (Right Answers)
- D.Local (Right Answers)

Answer: BCD

507 If the maximum number in the ACL rule is 12, by default, when the user configures a new rule without specifying a number, what is the number assigned by the system?

- A 14
- B.16
- C.15 (Right Answers)
- D.13

Answer: C

508. If two IPsec VPN peers want to use both AH and ESP to ensure secure communication, how many SAs (Security Associations) do the two peers need to build?
- A. 1
 - B. 2
 - ☐ C. 3
 - D. 4 (Right)

Answers) Answer: D

509. DHCPv6 belongs to a stateful address autoconfiguration protocol.

- A. True (Right Answers)
- ☐ B. False

Answer: A

510. The DHCPv6 server includes the management address configuration flag (M) in the RA message. If the value is 1, which of the following statement is correct?
- A. Indicates that the client enables DHCPv6 stateful address configuration. (Right Answers)
 - B. Indicates that the client needs to obtain other network configuration parameters through stateless DHCPv6.
 - C. Indicates that the client enables IPv6 stateless address automatic allocation scheme
 - D. Indicates that the client needs to obtain other network configuration parameters through stateful DHCPv6.

Answer: A

511. In the OSI reference model, which of the following has the ability to perform end-to-end error detection and flow control?
- A. Transport layer (Right Answers)
 - B. Network layer
 - C. Data link layer
 - ☐ D. Physical layer

Answer: A

512. After application data is processed through the data link layer, what does it call?
- A. Segment
 - B. PDU
 - C. Frame (Right Answers)
 - D. Pack

et

Answer:

C

513. <Huawei>system-view

[Huawei] user-interface

console 0

[Huawei-ui-console0] history-command max-size 20

Regarding the above configuration, which of the following statement is correct?

- ☐ A. history-command max-size 20 is to adjust the size of the history command cache to 20 (Right Answers)
- B. The default size of the history command cache is 5
- C. The default size of the history command cache is 5 bytes.
- D. After the above configuration is completed, the history command cache can save 20 bytes of

commands.

Answer: A

514. What is the destination MAC address of the BPDU in the STP protocol? A. 01-80-C2-04-05-06
B. FF-FF-FF-FF-FF-FF
C. 00-80-C2-00-00-00
D. 01-80-C2-00-00-00 **(Right Answers)**

Answer: D

515. As shown in the figure, if the switch runs STP with default parameters, which of the following ports will be elected as the designated port?

EI

- O A. G0/0/1 port of Switch A (Right Answers)**
B. G0/0/2 port of switch A
C. HUB's E0/0/2 port
D. HUB's E0/0/1

port Answer: A

516. The router has the longest matching principle when looking up the routing table. Which of the following parameter is the length?
A. The size of the NextHopIP address
B. Priority of the routing protocol
C. Cost
D. The length of the mask **(Right Answers)**

Answer: D

517. Which packet does OSPF use to describe its own LSDB?
A. LSR
B. HELLO
C. DD (Right Answers)
D. LSU

Answer:

C

518. HhaweiGigabitEthernet0/011] port link-type access [Huawei-GigabitEthernet0/0/1] port default vlan 10 [Huawei-GigabitEthernet0/0/2] port link-type trunk [Huawei-GigabitEthernet0/0/12] port trunk allow-pass vlan 10 According to the command shown above, which of the following descriptions is correct? (Multiple choice)
A. The PVID of GigabitEthernet0/0/2 port is 1. (Right Answers)
B. The PVID of GigabitEthernet010/2 port is 10
C. The PVID of GigabitEthernet0/0/1 port is 1.
D. The PVID of GigabitEthernet0/0/1 port is 10. (Right Answers)

Answer: AD

519 As shown in the following diagram, two switches are connected through four links. COPPER refers to the electrical interfaces, and FISH refers to the optical interfaces. Which of the following interfaces can implement link aggregation?

```

L1 A 0010113 and FEC/1013
E1 0 001013 and
00113/2 C 001012
end FEC/1013
n 0. 001012 and 001011 (Right

```

Answers) Answer: L1

520 If a network administrator wants to divide users who frequently change office locations and plan access different networks from the company to be corporate network to MANIC, which of the following methods should be used to divide VLANs?

```

L1 A divide MAN based on protocol
L1 d. divide VLAN based on MAC address (Right
Answers) D C divide VLAN based on Port
71 0 divide WAN based on VLANs

```

Answer: C

521. Which two stages can the PPPoE session establishment process be divided into? (Multiple choice) ☐ A. PPP connecting stage

☒ B. Discovery stage (Right Answers)

☐ C. PPPoE Session stage (Right Answers)

☐ D. DHCP stage

Answer: BC

522 [RTA] aaa
[RTA-aaa-domain-Huawei] authentication-scheme all
[RTA-aaa-domain-Huawei] authentication-scheme au2
The network administrator performs the above configuration on the Huawei router RTA. If a user needs to be authenticated in the authentication domain "Huawei", which of the following descriptions is correct? ☐ A. Will use "authentication-scheme all" authentication, if "all" is deleted, "au2" authentication will be used
☐ B. Will use "authentication-scheme au2" authentication, if "au2" is deleted, "all" authentication will be used ☒ C. Will use the "authentication-scheme 002" authentication (Right Answers)
☐ D. Will use the "authentication-scheme out" authentication

Answer: C

523. Huawei ARG3 series routers enable all versions of SNMP (SNMPv1, SNMPv2c, and SNMPv3) by default. ☐ A. True (Right Answers)

☒ B. False

Answer:

A

False

524. Which of the following encapsulation modes does IPsec VPN support? (Multiple choice) ☐ A. Tunnel mode (Right Answers)

☐ B. Exchange mode

☒ C. Transmission mode (Right Answers)

☐ D. Routing mode

Answer: AC

525 Two authentication domains "Area1" and "Area2" are configured on a router. The router serves as the authentication server. The correct username/password and password are:
D. A. Authentication domain "Area1"
• 0. Authentication domain "Area2"
C. Authentication domain "default_admin domain"
0. Authentication domain "default domain" (Right

Answers) **Maw, O**

526. If the EUI-64 address 78BC-FEFF-FFFE-EFAB is calculated based on the MAC address, what should its corresponding MAC address be?
- A. 7ABC-FEFE-EFAB (Right Answers)**
 - B. 78BC-FFFE-EFAB
 - C. 7ABC-FFFE-EFAB
 - D. 78BC-FEFE-

EFAB Answer: A

527. The DHCPv6 client must obtain both IPv6 addresses and another configuration information from the DHCPv6 server.
- A. True
 - B. False (Right Answers)**

Answer: B

528. When the network device sends the IPv6 packet, the packet length is compared with the MTU value. If the value is greater than the MTU value, the packet is directly discarded.
- A. True
 - B. False (Right Answers)**

Answers) Answer: B

529. The output information of the router interface is as follows. Which multicast address data can the interface receive? (Multiple choice)

- A. FF02::2 (Right Answers)**
- B. FF02::1: FF12:1 (Right Answers)
- C. FF02::1: FF6FAF36 (Right Answers)**
- D. FF02::1 (Right Answers)

Answer: ABCD

530. Which of the following statement about the IPv6 anycast address is correct? (Multiple choice)
- A. The packet whose destination address is anycast address will be sent to the network interface in the meaning of the route. (Right Answers)
 - B. Implement load sharing of services (Right Answers)
 - C. Provide redundancy for services (Right Answers)
 - D. Anycast address and unicast address use the same address space (Right Answers)**

Answer: ABCD

531. The MPLS label header is encapsulated between the data link layer header and the network layer header of the message.
- A. True (Right Answers)**
 - B. False

e

Answer:

A

532. When using the Traced program to test the path through which the target node passes, the default TTL value for Traceroute is measured 0 times.

A.3 (Right Answers)

fr 8

fr 6

D.4

Answer: A

533. Which of the following description of the role of the free ARP message is wrong? A Used to advertise the active/standby switchover in the VRRP backup group.

B Used to advertise a new current AC address_ The sender replaces the NIC and the AC address changes. In order to notify all hosts before the AP entry ages, the sender can send a free ARP_G Used to check duplicate IP addresses. Normally, no ARP response will be received. If received, it indicates that there is an address in the network that is duplicated with its own IP address.

0 Free ARP packets are used to keep active with the gateway device when the host is

idle. (Right Answers) Answer: 0

534. Which of the following statement about the ARP message is wrong?

A. The ARP reply message is sent by the unicast party.

B. Any network device needs to obtain the data link layer identifier by sending ARP packets.

(Right Answers)

C. ARP request message is sent by broadcast

ID ARP packets cannot traverse the router and cannot be forwarded to other

broadcast domains. Answer: B

535. Using the command mkdir test in the VRP operating platform, the system will create a folder named test

A.True (Right Answers)

B.False

Answer: A

536 When the switch receives a unicast data frame, it will look up the destination MAC address in the MAC table. Which of the following statement is wrong?

A. If the MAC address is found, and the corresponding port of the MAC address in the MAC address table is not the one that enters the switch, the switch performs the forwarding operation

B If the MAC address is found, and the corresponding port of the MAC address in the MAC address table is the port that the frame enters the switch, the switch performs the discard operation

C. If the MAC address is not found, the switch performs the flooding operation_

D. If the MAC address is not found, the switch performs the discard operation.

(Right Answers) Answer: 0

537. The default route can be derived from ().

(Multiple choice) **A Manual configuration (Right Answers)**

B. Dynamic routing protocol generation (Right Answers)

G. The router itself has

a Link layer protocol generation

Answer: AB

538. Which of the following packets belong to the OSPF protocol? (Multiple choice)

- A. LSU (Right Answers)**
- B. LSA
- C. LSR (Right Answers)**
- D. HELLO (Right**

Answers) Answer:

ACD

539. On the broadcast network, both the DR and the BDR use the multicast address 224.0.0.6 to receive the link status update packet. 0A. True (Right Answers)

0B. False

Answer:

A

540. As shown in the following figure, all routers run OSPF. Which device is ABR? (Multiple choice)

- A. Router B (Right Answers)**
- B. Router D**
- C. Router C
- D. Router A (Right**

Answers) Answer: AD

541. The output information of a switch is as follows. Which of the following interfaces can forward data frames with a VLAN ID of 40 and does not carry labels when forwarding?

- A.GEO/0/4
- B.GEO/0/2
- C.GEO/0/3
- D. GEO/0/5 (Right

Answers) Answer: D

542. As shown in the figure, which of the following configuration of the VLAN on the Huawei switch is correct? (Multiple choice)

- A. Client1 belongs to VLAN 10, and the command for dividing VLAN on the switch is correct. **(Right Answers)**
- B. Client2 belongs to VLAN 20, and the command for dividing VLAN based on MAC address on the switch is correct. **(Right Answers)**
- C. Client3 belongs to VLAN 30, and the command for dividing VLAN on the switch is correct.
- D. Client4 belongs to VLAN 40, and the command for dividing VLAN on the switch is correct.
- E. Client4 does not belong to VLAN 40, and the command for dividing VLAN on the switch is incorrect. **(Right Answers)**

Answer: ABE

543. In the link aggregation technology, which parameters can the Eth-Trunk use to implement load balancing? (Multiple choice)

- A. Same source IP address or destination IP address **(Right Answers)**
- B. Same source port number or destination port number
- C. Same source MAC address or destination MAC address **(Right Answers)**
- D. The same protocol type

Answer: AC

544. The Trunk port can allow multiple VLANs to pass, including VLAN4096.

- A. True
- B. False (Right

Answers) Answer: B

545 As shown in the figure, the administrator wants all hosts to access the Tnternet from 8:00 to 17:00 every day. In the interface configuration of GO/0/I, h h AGL rule should be bound to traffic-filter outbound?

```
A time-range am9topm5 08:00 to 11:00 working-day # acl number 2003 rule 5 deny
time-range am9topm5 B time-range am91opm5 08:00 to 17:00 daily # acl number 2002
rule 5 permit time-range ane1opm5 #
c. time-range amgtopm5 08_00 to 17:00 daily # acl number 2001 rule 5 deny time-range am9topm5 # (Right Answers )
D. time-range am9topm5 08:00 to 17:00 off-day # acl number 2004 rule 5 permit time-range am91opm5
```

Answer: C

546. The router output information is as follows. What is the IPv6 address obtained by this interface?

- A. 3000::3000/64
- B. 3000::1/64
- C_ 3000::2/64 (Right
- Answers) D_ 2000::1/64

Answer: C

54T Which of the following features is no longer supported by SPFv3 on an EPv6 network?

- A.Router-1D
- B.Multi-regional division
- C_ Authentication function (Right
- Answers) D_ Send protocol packets
- in mutticast mode

Answer: C

548. Which packet is sent by the DHCPv6 client in response to the Advertise packet sent by the DHCPv6 server?

- A. Offer
- B. Request (Right Answers)**
- G. Reply
- D. Advertise

Answer: B

549. The configuration information of a router's DHCPv6 address pool is as follows. If the host adopts DHCPv6 autoconfiguration, which IPv6 addresses can the host obtain? (Multiple choice)

```
dhcpv6 pool test
address prefix
3000::164
excluded-address 3000::1
dns-server 2000::1
dns-domain-name huawei dns-domain-name huawercom
```

- A. 3000::2/64 (Right Answers)
- 13- 30900/64
- C. 3000::3000/64 (Right Answers)
- D. 2000::1/64

Answer: AC

550. Segment Routing (SR) is a protocol for extending the existing IGMP protocol, based on the MPLS protocol, using source routing technology to forward data packets on the network.

- A. True (Right Answers)**
- False

e

Answer:

A

551. If the router's Ethernet interface needs to forward a 1600B packet, which of the following statements is correct? (Multiple choice)

- A. The value of the Flags field of the first packet is 1 (Right Answers)**
- B. The first message contains the payload 1480B (Right Answers)**
- G. The slice offset field value of the second fragmented packet is 1480 (Right Answers)**
- D. The value of the Flags field of the second**

packet is 1 Answer: ABC

552. There is a TTL field in the header of the IP packet. Which of the following statements about this field is correct?

- A. This field is used to indicate the priority of the packet.
- B. The length of this field is 7 digits.
- C. This field is used for packet anti-loop. (Right Answers)**
- D. This field is used for packet fragmentation.

Answer: C

553. After the network administrator uses the Traceroute function on the router device, what is the value of the Protocol field of the IPv4 header in the data packet sent by the router? A. 6

- B. 1 (Right Answers)**
- C. 17
- 2

Answer:

554 As shown in the following figure, host C is only required to communicate with one of host A or host B. Then, which of the following can be configured to implement the requirement under the G0/0/13 port of SWB?

- A mtu 2000
- B port link-type trunk
- C speed 100
- D mac-limit maximum 1 (Right Answer)

Answers) Answer: D

555 As shown in the following figure, the MAC address table of the SWA is as follows. The host can never learn the MAC address of the HOST A. Which of the following reasons is not possible?

- A HOST A did not send any data frames
- B The G0/0/1 port of the switch is set to ACCESS mode
- C The MAC address learning function is disabled on G0/0/1 of the switch.
- D Turn off the MAC address learning function of the LAN to which HOST A belongs.

Answer: B

556 The network administrator finds that a port on the switch has learned the MAC address, but cannot forward the data frame. Which of the following working states is the port in?

- A Disabled
- B Blocking
- C Listening
- D Learning (Right Answer)

Answer: D

557 As shown in the following figure, host A does not have a gateway configured. Host B has a gateway ARP cache. In host A, the command ping 110.12.1.1 is used. Which of the following statements is correct?

- A The destination MAC address of the data frame sent by Host A is MAC-B.
- B The destination MAC address of the data frame sent by Host A is MAC-A.
- C The destination IP address of the packet sent by host A is 110.12.1.1.
- D No packets will be sent from host A (Right Answer)

Answers) Answer: D

558. In Huawei AR routers, what is the default OSPF priority value?

- A. 20
- B. 10 (Right Answer)
- C. 30
- D. 0

Answer: B

559. When configuring a static route on a broadcast interface, you must specify the next hop address.

A. True (Right Answers)

B. False

Answer: A

560. In the OSPF broadcast network, which routers do the DR other routers exchange link state information with? (Multiple choice)

A. DR (Right Answers)

B. BDR (Right Answers)

C. All OSPF neighbors

D. DR

Other

Answer,

AB

561. What is the value of the direct routing protocol priority?

A. 0 (Right Answers)

B. 30

C. 10

D. 20

Answer: A

562. The configuration information of the G0/0/1 port of the switch is as follows. Which VLAN data frame does the switch forward not carry the VLAN TAG?

```
interface
GigabitEthernet0/0/1
port link-type trunk
port trunk pvid vlan 10
port trunk allow-pass vlan 10 20 30 40
```

A. 10 (Right Answers)

B. 3

0 0 C.

40

D. 20

Answer:

A

563. Referring to the following topology and configuration, routers R1 and R2 are connected through a Serial low-speed cable, and the data link layer encapsulation uses PPP. When the Holdtimes of R1 and R2 are inconsistent, PPP negotiation fails and communication cannot be performed.

C A True

C B False (Right

Answers) Answer: B

564. PPP is more secure and reliable than HDLC because PPP supports (). (Multiple choice)
A. SSH B. PAP C. MD5 D.

CHAP Answer: BD

565. The configuration information of G0/0/1 interface of Router A is as follows. Which of the following statements are correct? (Multiple Choice) acl number 3000
rule 5 deny 17
rule 10 deny 89
rule 15 deny 6

```
interface
GigabitEthernet0/0/1
traffic-filter inbound acl
3000
```

- A. This interface does not forward ICMP packets.
- B. This interface does not forward received SNMP packets. (Right Answers)
- C. This interface does not forward received FTP packets. (Right Answers)
- D. This interface can establish OSPF neighbor relationships with other routers.

Answer: BC

566. Layer 2 ACL can match source MAC, destination MAC, source IP; and destination IP, etc. information.
A. True
B. False (Right

Answers) Answer: B

567. What is the value of the protocol type field in the FP packet, indicating that the protocol is GRE?
A. 47 (Right Answers)
B. 48
C. 2
D. 1

Answer:

A

568. OSPFv2 supports IPv6 by adding new types of LSAs.
A. True
B. False (Right Answers)

Answer: B

569. Which of the following parts does the global unicast address consist of?

(Multiple Choice) **EI** A. Protocol ID

B. Interface ID (Right Answers)

C. Subnet ID (Right Answers)

D. Global Routing Prefix (Right **Answers**)

Answer: BCD

570. The output information of Router C is as follows. How many global unicast address prefixes does Router C advertise?

A. 1

B. 2

C. 3 (Right Answers)

D. 4

Answer:

C

571. What are the values of the currently used IPv6 multicast address flag field (Flag)?

(Multiple Choice)

A. 0 (Right Answers)

B. 1 (Right Answers)

C. 2

D. 3

Answer: AB

572. Which of the following statements about the TTL field in the IP packet header is correct?

A. Whenever a IP packet passes through a router, its TTL value is decremented by 1. (Right Answers)

B. Whenever a IP packet passes through a router, its TTL value will be increased by 1.

C. TTL defines the time interval at which the source host can send packets.

D. TTL defines the number of packets that the source host can send.

Answer: A

573. Which of the following is not included in the VRP system login method?

- A. Telnet
- B. SSH
- C. Netstream (Right Answers)
- D. Web

Answer: C

574. Which of the following information is used to prompt by the VRP operating platform for incomplete input commands?

- A. Error: Wrong parameter found at w position
- B. Error: Incomplete command found at w position (Right Answers)
- C. Error: Too many parameters found at w position
- D. Error Ambiguous command found at

position Answer: B

575. Which of the following descriptions about the specified port of the spanning tree is correct?

- A. The port on the root switch must not be the designated port.
- B. The designated port can forward configuration BPDUs to the network segment connected to it. (Right Answers)
- C. Each switch has only one designated port
- D. Specify the port to forward configuration BPDUs from this switch to the root switch.

Answer: B

576 Which of the following statements about the handling of RSTP configuration BPDU are correct? (Multiple Choice)

- A. After the topology is stable, the non-root bridge device sends configuration BPDUs at the interval specified by the Hello timer, regardless of whether the configuration BPDUs are received from the root bridge. (Right Answers)
- B. After the topology is stable, the non-root bridge device sends the configuration BPDU after receiving the configuration BPDU sent by the upstream device.
- C. The root port must wait for the BPDU Max Age timeout to re-top the topology calculation.
- D. When a port receives a sub-optimal RST BPDU from the upstream designated bridge, the port immediately responds to its stored

RST BPDU, (Right Answers) Answer: AD

577. Which of the following statements are incorrect? (Multiple Choice)

- A. By default, the order of route priorities is that direct routes are higher than OSPF.
- B. In VRP, the greater the priority value of the routing protocol, the higher the priority of the route. (Right Answers)
- C. The priority of each static route can be different
- D. If the cost of the route is larger, the higher the priority of the route. (Right Answers)

Answer: BD

578 Which of the following descriptions are incorrect about the OSPF Router ID? (Multiple Choice)

- A. The prerequisite for the normal operation of OSPF protocol is that the router has a router ID.
- B. The router ID must be the IP address of an interface of the router. (Right Answers)
- C. The router ID must be specified by manual configuration. (Right Answers)
- D. The router IDs must be the same in the same area. The router IDs in different areas can be different. (Right Answers)

Answer: BCD

579 When a router forwards a packet, if it does not match the corresponding detail route and there is no default route, the router will discard the packet directly.

- A. True (Right Answers)
- B. False

Answer: A

580 After the administrator successfully logs in to the router through Telnet, it is found that the IP address of the interface can not be configured on the muter. So what is the possible reason?
 A SNMP parameter configuration error
 B The Telnet terminal software used by the administrator prohibits the corresponding operation. C The Telnet user level is incorrectly configured (Right Answers)
 0 The authentication mode of the Telnet user is

incorrectly configured. Answer: C

581 In the network shown in the following figure, the switch uses the VLANIF interface to connect to the sub-interface of the muter. Which of the following configurations can fulfill this requirement?

111

A interface Mandl ip address 100.12.1.255/255.255.0 # interface GigabitEthernet0/0/2 pod link-type hybrid pod hybrid untag Nan 10 # B interface Vbnif10 ip address 100.121.255.255/255.0 # interface GigabitEthernet0/0/2 pod link-type access pod default Nan 10 #
 C interface Vlanif10 ip address 10.0.12.1/255.255.255.0 # interface GigabitEthernet0/0/2 pod link-type trunk pod trunk allow-pass Nan 10 # (Right Answers) 0 interface Vbnif10 ip address 10.12.1.255/255.255.0 # interface GigabitEthernet0/0/2 pod link-type trunk pod trunk pvid 10 pod trunk allow-pass Nan 10 #

Answer: C

582. If an Ethernet data frame Lengthtype=0(8100, which of the following ports might this data frame be sent from? (Multiple Choice)

- A. Switch Hybrid type port (Right Answers)
- B. Switch Access type port
- C. Serial interface of the router
- D. Switch Trunk type port (Right Answers)

Answer: AD

583 As shown in the figure, the two ports of switch GE0/0/1 and GE0/0/2 perform different Hybrid configurations. Which of the following statements are correct? (Multiple Choice)

- A. The data frame sent by the finance department carries the tag in the switch as VLAN20. (Right Answers)
- B. The administrative department and the finance department cannot visit each other because the VLANs belonging to the two depadments are different.
- C. If both ports GE0/0/1 and GE0/0/2 of the switch are modified to be trunk pods, the two departments can communicate normally. 0 The data frame sent by the administrative department carries the tag in the switch as VLAN20
- E The switch here can be a Layer 2 switch or a Layer 3 switch because communication does not need to go through a Layer 3 gateway (Right Answers)

Answer: AE

584 In the LPP negotiation phase of the PPP protocol, if the parameters sent by the other party are completely accepted, which of the following packet will be sent?

- Configure-Reject
- B. Configure-Ark (Right Answers)
- C. Configure-Request
- Configure-Nak

Answer: B

585 As shown in the following figure, which of the following configurations can be used to make Host A and Host B unable to communicate with each other? (Multiple Choice)

- `acl number 2000 rule 5 deny source 100 0 12_0 0 0 0255 # interface GmabitEthernet0.10/3 traffic-filter inbound eel 2000 #`
`B_ acl number 2000 rule 5 deny source 100.0.120 0.0 0255 # interface GigabitEthemet0/0/1 traffic-filter outbound net`
`2000 # (Right Answers ) C_ acl number 2000 rule 5 deny source 100 0.12 0 0.0.0255 # interface`
`GigabitEthernet0/0/1 traffic-filter inbound eel 2000 #`
`fr act number 2000 rule 5 deny source 1000.120 0.0.0_255 # interface GigabitEthernet0/0/2 traffic-liter inbound eel 2000 # (Right Answers)`

Answer: BB

586. The output information of Router C is as follows: what is the source IPv6 address of Router C sending OSPFv3 LSU packets?

111

- A. 2603:1/64
- B. FE80::2E0:FGFEFE48:4EC8 (Right Answers)
- C. 2005: 1/64
- O. 2009-1/64

Answer: B

587. Which of the following message types is used for the RA message that is used for IPv6 stateless autoconfiguration?

- A. IGlv1Pv6
- EI I Clv1Pv5 (Right Answers)
- C. UPv5
- D. TCPv6

Answer: B

588 The FEC (Forwarding Equivalence Class) is a set of data streams with certain commonalities; the FEC can be divided according to the add A True
B. False (Right Answers)

but cannot be divided according to the service type, CloS, etc.

Answer: B

589 Which statement is correct about the function of the network layer in the OSI reference model?

- 111 A. The closest layer to the user in the OSI reference model, providing network services for applications B Transmit bitstreams between devices, specifying levels, speed, and cable pins
C. Provide connection-oriented or non-connection-oriented data transfer and error detection before retransmission D a Provide a logical address for the router to determine the path (Right Answers)

E. Combine the bits into bytes, combine the bytes into frames, use the link layer address (the Ethernet uses the MAC address) to access the medium, and perform error detection.

Answer: D

590 UDP does not guarantee the reliability of data transmission. It does not provide functions such as packet sorting and flow control. It is suitable for traffic with low transmission reliability requirements but high transmission speed and delay. E1 A True (Right Answers)
B False

Answer: A

591. If the application layer protocol is Mille; what is the value of the Protocol field in the IP header?

- A. 17
B. 6
C. 17
D. 6 (Right Answers)

Answer: D

592. The MAC address table of the existing switch is as follows. The switch receives a data frame with a source MAC address of 5489-9811-0b49 and a destination MAC address of 5489-989d-1d30. Which of the following statements are correct? (Multiple Choice)

111

A. If this data frame is received from Eth0/0/1, the switch will discard this data frame (Right Answers) B If the data frame is received from Eth0/0/1, the switch forwards the data frame from the Eth0/0/3 port. C If the data frame is received from Eth0/0/1, the switch floods the data frame.
D If the data frame is received from the Eth0/0/3 port, the switch forwards the data frame from the Eth0/0/1

port (Right Answers) Answer: AD

593. SWA and SWB run the RSTP protocol. Which of the following statements are correct? (Multiple Choice)

- A. The G01013 port of SWA is the designated port. (Right Answers)
B. The G01013 port of SWB is the alternate port. (Right Answers)
C. The G01013 port of SWB is the Backup port.
D. The G01012 port of SWA is the designated port. (Right Answers)

Answer: ABD

594. On the VRP platform, what is the order of the default protocol priorities of direct route, static route, RIP, and OSPF from high to low?

- A. Direct route, OSPF, static route, RIP (Right Answers)
- B. Direct route, OSPF, RIP, static route
- C. Direct route, RIP, static route, OSPF
- D. Direct route, static route, RIP,

OSPF Answer: A

595. As shown in the following figure, assume that all routers run OSPF at the same time. Which router is the DR in this network?

- A. Router A
- B. Router B (Right Answers)
- C. Router C
- D. Router ID

Answer: B

596. The OSPF router ID must be the same as the IP address of an interface on the router.

- A. True
- B. False (Right

Answers) Answer: B

597. What are the functions of OSPF hello packets? (Multiple Choice)

- A. Publish parameter information such as Router ID and Router Priority. (Right Answers)
- B. Synchronous router LSDB
- C. Neighbor discovery (Right Answers)
- D. Maintaining neighbor relationships (Right Answers)

Answer: ACD

598. By default, what is the OSPF protocol Deadtime on the broadcast network?

- A. 20s
- B. 40s (Right Answers)**
- C. 10s
- D. 30s

Answer: B

599. When two OSPF routers form a TWO-WAY neighbor relationship, the LSDB has completed synchronization, but the SPF algorithm has not been run.

- A. True
- B. False (Right**

Answers) Answer: B

600. Which of the following protocol does not belong to the File Transfer protocol?

- A. TFTP
- B. HTTP (Right Answers)**
- C. FTP
- D. SFTP

Answer: B

601. Which of the following is correct about the VLANIF interface?

- A. The VLANIF interface does not need to learn the MAC address.
- B. Different VLANIF interfaces can use the same IP address.
- C. The VLANIF interface does not have a MAC address.
- D. The VLANIF interface is a Layer 3 interface. (Right Answers)**

Answer: D

602. The rule for creating a VLAN on a Huawei switch is that VLAN4095 cannot be created and VLAN 1 cannot be deleted.

- A. True (Right Answers)**
- B. Fals

e

Answer:

A

603. As shown in the following figure, the switch configuration information is as follows. Which of the following statements are correct? (Multiple Choice) interface GigabitEthernet0/0/1
port hybrid pvid vlan 20
port hybrid untagged vlan 10 20

```
interface
GigabitEthernet0/0/2 port
hybrid pvid vlan 10
port hybrid untagged vlan 10 20
```

- A.Host A and Host B can ping each other. **(Right Answers)**
- B.Data frames on both links do not contain VLAN TAG **(Right Answers)**
- C.Host A and Host B cannot ping
- D.The PVID of the port GigabitEthernet 0/0/1 is 20 **(Right Answers)**

Answer: ABD

604. Which of the following protocol does the PPP protocol consist of? (Multiple Choice)

- A.Certification Agreement **(Right Answers)**
- B.NCP **(Right Answers)**
- C.LCP **(Right Answers)**
- D.PPPOE

Answer: ABC

605. Which of the following value is used in the Protocol field in the PPP frame to indicate that the core is an IP packet?

- A. 0x8821
- B. 0x0021 **(Right Answers)**
- C. 0x8021
- D. 0x8863

Answer: B

606 As shown in the following figure, all the hosts can communicate with host C through which of the following configuration? But host A and host B cannot communicate.

A. acl number 4000 rule 5 deny destination-mac 5489-98ea-4c7c source-mac 5489-98d3-104d # interface GigabitEthernet0/0/1 traffic-filter inbound eel 4000
 B. eel number 4000 rule 5 deny destination-mac 5489-93ea-4c7c source-mac 5489-98c0-550e # interface GigabitEthernet0/0/1 traffic-filter inbound eel 4000 4 **(Right Answers)**
 C. act number 4000 rule 5 deny destination-mac 5489-98ea-4c7c source-mac 5489-98c0-550e # interface GigabitEthernet0/0/1 traffic-filter outbound eel 4000
 B. act number 4000 rule 5 deny destination-mac 5489-98ea-4c7c source-mac 5489-98d3-104d # interface GigabitEthernet0/0/1

traffic-filter outbound act 4000 Answer: **B**

607. As shown in the following figure, which of the following configurations can be used to make Host A and Host B unable to communicate with each other? (Multiple Choice)

A. act number 2000 rule 5 deny source 1000_12 0 00 0 255 # interface GigabitEthernet0/0/1 traffic-filter inbound ad 2000 It
 B. lad number 2000 rub 5 deny source 100 0.12 0 00 0255 # interface GigabitEthernet0/0/3 traffic-filter inbound eel 2000 4
 C. act number 2000 rule 5 deny source 1000.12 0 0.0.0.255 # interface GigabitEthernet0/0/1 traffic-filter outbound eel 2000 4 **(Right Answers)**
 D. act number 2000 rule 5 deny source 100.0.12.0 0.0.0.255 # interface GigabitEthernet 0/0/2 traffic-filter inbound eel

2000 # (Right Answers) Answer: CD

608. As shown in the following figure, the administrator wants that all the hosts cannot access the Web service (port number is 80) and other services are accessed normally, what AGL rule should be bound to traffic-filter outbound in the interface configuration of G0/0/1?

EI

A. act number 3001 rule 5 deny udp destination-port eq www rule 10 pom,
 B act number 3003 rule 5 permit ip rule 10 deny udp destination-port eq www #
 G act number 3000 rule 5 deny tcp destination-port eq www rule 10 permit ip #
 (Right Answers) act number 3002 rule 5 permit ip rule 10 deny tcp destination-port eq www #

Answer, C

609. What is the decimal value of the OSPFv3 packet in the Protocol field in the IPv6 packet header?

- A. 69
- B. 89 (Right Answers)**
- G. 92
- D. 59

Answer: B

610. Which of the following IPv6 address Solicited-node multicast addresses are F02:1:FFAB:FECA? (Multiple Choice) ☐ A. 2030::BBAB:FECA (Right Answers)
☒ B. 2020::EEAB:FECA (Right Answers)
☒ C. 2020::FFAB:FECA (Right Answers)
☐ D.

2020::FFBA:FECA

Answer: ABC

611. Which of the following IPv6 addresses are link-wide multicast addresses? (Multiple Choice) ☒ A. FF02::2 (Right Answers)
☒ B. FF02::1 (Right Answers)
☒ C. FF12::1 (Right Answers)
☒ D. FF12::2 (Right Answers)

Answer: ABCD

612. What is the total length of the interface identifier of the link-local unicast address? ☒ A. 48bit
☐ B. 32bit
☒ C. 64bit (Right Answers)
☐ D. 96bit

Answer: C

613. The LER in the MPLS domain is called the Label Egress Router.
☐ A. True
☒ B. False (Right Answers)

Answer: B

614. If the value of the Type/Length field of an Ethernet data frame is 0x0800, the header length of the upper packet carried by the data frame ranges from 20 to 60B. ☒ A. True (Right Answers)
☐ B. False

Answer: A

615. On the VRP platform, which of the following methods can you access the previous history command? (Multiple Choice) ☐ A. Left cursor
☐ B. Ctrl+U
☒ C. Ctrl+P (Right Answers)
☒ D. Upper cursor (Right Answers)

Answer: CD

616. What is the full name of VRP?

- A. Virtual Routing Platform
- B. Versatile Redundancy Platform
- C. Versatile Routing Protocol
- D. Versatile Routing Platform (Right Answers)**

Answer: D

617 As shown, the figure, three Layer 2 switches are interconnected with one HUB, and the switch is enabled with SIP. For the bridge ID setting of the switch SIP, refer to the following Figure. Others are default configurations. Which of the following statement is wrong?

- A After the bridge ID comparison, LSW1 is the master bridge 130/0/1 port of LSW3. is an RP port and is blocked
- Li C Both ports of LSW1 are designated ports and are in a forwarding state (Right Answer)**
- 11 D. port of LSW1 is

blocked_ Answer, C

618 As shown in the following figure, all switches run the SIP protocol. After the topology is stable, modify the sending period of the configuration BPDU on which of the following switch can affect the sending period of the SWD configuration BPDU?

- A SWD
- B SWG
- A SWB**
- D SWA (Right

Answers) Answer:

619. As shown in the network below, the MAC address of the switch is marked. Enter the command stp root secondary on the SWD switch. Which of the following switch will be the root bridge of this network?

- A SWD (Right
- Answers) B SWB
- C SWC
- SWA

Answer: A

62D. The company has users who report that when using Siss network to transfer files, the speed is very low. The administrator uses Wireshark software to capture packets in the network and finds some Ouphcale frames. Which of the following descriptions is correct about the reason or solution?

- A The switching equipment of the company network must be upgraded
- B. The network has a loop on the second floor (Right Answers)
- Ci a No PLAN is configured in the network**
- D. When the switch cannot find the destination MAC address of the data frame in the MAC address table, the switch will flood the data frame.

Answer, 0

621. Dynamic routing protocols can automatically adapt to changes in network topology.

A. True (Right Answers)

11 False

Answer: A

622. The output information of the router R1 routing table is as follows. Which of the following statements are correct? (Multiple Choice)

A. The packet with the destination address of 10.0.2.2 is forwarded through Ethernet0/0/1. (Right Answers)

B. The packet with the destination address of 10.0.1.1 is forwarded through the Ethernet0/0/0 interface. (Right Answers)

C. The packet with the destination address of 10.1.1.1 is forwarded through the GigabitEthernet0/0/0 interface.

D. The packet with the destination address of 10.0.2.1 is forwarded through the Ethernet0/0/2

interface. **(Right Answers) Answer: ABD**

623. All interfaces of the router belong to the same broadcast domain.

A. True

B. False (Right Answers)

Answer: B

624. Which of the following is correct about the command configured for the default route?

A. [Huawei] ip route-static 0.0.0.0 0.0.0.0 192.168.1.1 (Right Answers)

B. [Huawei-Serial0] ip route-static 0.0.0.0 0.0.0.0 0.0.0.0

C. [Huawei] ip route-static 0.0.0.0 255.255.255.255 192.168.1.1

D. [Huawei] ip route-static 0.0.0.0 0.0.0.0 0.0.0.0

Answer: A

625. What are the advantages of using DHCP to allocate IP addresses using Dynamic Host Configuration Protocol? (Multiple Choice)

A. Can achieve IP address reuse (Right Answers)

B. Avoid IP address conflicts (Right Answers)

C. Heavy workload and poor management

D. The configuration information changes (such as DNS), only the administrator needs to modify it on the DHCP server to facilitate unified

management. **(Right Answers) Answer: ABD**

626_ As shown in the following figure, Router A has passed the IP address 10.0.122 Telnet Router B In the current interface, which of the following operations will cause the Telnet session of the router to be interrupted with router? (Multiple Choice)

- A Close G0/0/1 interface (Right Answers)
- B Modify the IP address of G0/0/1 interface (Right Answers)
- C Enable OSPF protocol on G0/0/1 interface
- D Configure static router

Answer: AB

627. When a port of a switch receives a non-carried VLAN TAG data frame, it must add a PVID.

- A.True (Right Answers)
- B.Fals

e

Answer:

A

628_ Which of the following parameter cannot be used for advanced access control lists?

- A.Physical interface (Right Answers)
- B.Time range
- C.Destination port number
- D.Agreement

number Answer: A

629 The AGL does not filter the traffic that the device itself generates to access other devices. Only the forwarded traffic is filtered. The forwarded traffic includes traffic that other devices access the device.

- A True (Right Answers)
- B. False

Answer: A

630. An AGL rule is as follows: Which of the following IP addresses can be matched by the permit rule? (Multiple Choice) Rule 5 permit ip source 10.9.1.0 255.0.254.255

- A. 7.1.2.1
- B_ 6.1.3_1 (Right Answers)
- ~~A~~ 8.2.2_1
- D_ 9.9_1_1 (Right Answers)

Answer: BD

631. The router output information is as follows. Which IPv6 address is obtained by this interface?

- A. 2000::1/64
- B. 3000::2/64 (Right Answers)
- C. 3000::3000164
- D. 3000::1/64

Answer: B

632. The router's Router ID neighbor relationship is as follows. Which of the following statements are correct? (Multiple Choice)

- A. The router and the router with Router-ID 10.5.3.3 cannot exchange the link status information. (Right Answers)
- B. This router is a DR Other router (Right Answers)
- C. The router-ID of the DR router is 10.0.1.1. (Right Answers)
- D. The router-ID of the DR router is 10.0.0.2.

(Right Answers) Answer: ABCD

633. Which area number does OSPFv3 use to identify the backbone area?

- A. 0 (Right Answers)
- B. 3
- C. 1
- D. 2

Answer:

A

634. A router OSPFv3 adjacency relationship is as follows. The router is an ABR.

- A. True (Right Answers)
- B. False

e

Answer:

A

635. Which of the following type of addresses are not included in the IPv6 address?

- A. Anycast address
- ☐ B. Broadcast address (Right Answers)
- C. Multicast address
- ☐ D. Unicast address

Answer: B

636. If the network address of a network is 10.1.1.0/30, what is its broadcast address?

- ☐ A. 10.1.1.4
- ☐ B. 10.1.1.2
- C. 10.1.1.3 (Right Answers)
- ☐ D. 10.1.1.1

Answer: C

637. If the network address of a network is 192.168.1.0, then its broadcast address must be 192.168.1.255.

- A. True
- B. False (Right Answers)**

Answer: B

638. Which of the following are correct about the analysis of ICMP packets? (Multiple Choice)
- A. ICMP packets are encapsulated in IP packets and are not encapsulated in the transport layer. (Right Answers)
 - B. ICMP packets cannot be used to detect MTUs in a path.
 - C. ICMP messages can record time, including original time, receiving time, and sending time. (Right Answers)
 - D. ICMP protocol does not support redirection function
 - E. ICMP packets contain ICMP error packets, control packets, request/response packets, and refresh packets.

Answer: AC

639. When the router is powered on, the configuration file is read from the default storage path for initialization of the router. If there is no configuration file in the default storage path, what does the router use for initialization?

- A. Current configuration
- B. New configuration
- C. Default parameters (Right Answers)
- D. Initial configuration

Answer: C

640. In the STP protocol, which of the following factors will affect the election of the root switch? (Multiple Choice)

- A. Switch interface ID
- B. Switch interface bandwidth
- C. IP address of the switch
- D. The current MAC address of the switch (Right Answers)
- E. Switch priority (Right Answers)

Answer: DE

641. As shown in the following figure, all switches run STP, when the topology is stable. The SWA device is powered off. Which of the following statements are correct? (Multiple Choice)

CI

- A. SWB still periodically sends configuration BPDUs from port GO/0/1.
- B. The SWC sends configuration BPDUs from port GO/0/1 after the current Max Age time.
- C. SWC immediately sends TC-BPDUs from port GO/0/1 (Right Answers)
- D. SWC and SWB immediately re-elected the root bridge (Right Answers)

Answer: CD

642. As shown in the figure, all four switches run STP, and each parameter adopts the default value. When a port on the root switch is blocked and cannot be sent through the port, how long will the port in the network enter the forwarding state?

- A.About 15 seconds
- B.About 50 seconds (Right Answers)**
- C.About 30 seconds
- D.About 3

seconds

Answer: B

643.Which of the following port states does the RSTP protocol include? (Multiple Choice)

- A. Forwarding (Right Answers)**
- B. Discarding (Right Answers)**
- C.Listening
- D. Learning (Right Answers)**

Answer: ABD

644. As shown in the figure below, all hosts can communicate normally. Which of the following statements are correct? (Multiple Choice)

- A. SWB's 301013 learned 2 MAC addresses (Right Answers)**
- B. SWA's G01013 learned 3 MAC addresses
- C.SWA's G010/3 learned 1 lviAC address (Right Answers)**
- D. SWA's GO/0/3 learns 2 MAC addresses

Answer; AC

645 The Layer 2 switch belongs to the data link layer device and can identify the MAC address information in the data frame, forward the data according to the MAC address, and record the MAC address and the corresponding pod information in its own internal MAC address table.

JA True (Right Answers) ri B. False

Answer, A

646. Which of the following description is wrong about the Layer 2 Ethernet switch?

- A. Layer 2 Ethernet switch works at the data link layer
- B. Ability to learn MAC address
- C. Forward according to the Layer 2 header information of the Ethernet frame
- D. If it is necessary to make certain modifications to the three-layer header of the forwarded message, and then forward it (Right Answers)

Answer: D

647. If the network shown in the following figure is used to enable loopback 0 communication between Router A and Router B through static routes, which of the following command should be entered in Router A?

- A. ip route-static 10 0 22 32 GigabitEthernet 0/0/0
- B. ip route-static 10 0 22 0 GigabitEthernet 0/0/0
- C. ip route-static 10 0 2 2 255 255 255 255 100 12 2 (Right Answers)
- D. ip route-static 10 0 2 2 255 255 255 255 100 12 1

Answer: C

648. As shown in the figure, regarding OSPF topology and configuration, which of the following statement is correct?

- A. Compared with R1, R2 has a better chance of becoming a DR because its interface DR priority value is smaller
- B. R1 and R2 can establish stable neighbor relationships as long as the interface network type of R1 is restored to the default broadcast type.
- C. As long as the interface network type of R1 is restored to the default broadcast type, and the hello time is adjusted to 10s, R1 and R2 can establish a stable neighbor relationship (Right Answers)
- D. R1 and R2 can establish stable OSPF neighbor

relationships Answer: C

E49. As shown in the following figure, the following configurations exist on the Router A. Which of the following statements are correct? (Multiple Choice)

```
ip route-static 10 0 22 255 255 255 100 12 2
ip route-static 10 0 22 255 255 255 100 21 2 preference 40
```

A

- A. If the port GE0/0/1 is Down, the interface that reaches 10.0.2.2 in the routing table of Router A is changed to GE0/0/2.
- B. If the GE0/0/2 port is Down, the interface that reaches 100.22 in the routing table of Router A is changed to GE0/0/1 (Right Answers)
- C. The interface that reaches 10.0.2.2 in the routing table of Router A is GE0/0/1
- D. The interface that reaches 10.0.2.2 in the routing table of Router A is GE0/0/2.

(Right Answers) Answer: BD

650. As shown in the broadcast network, OSPF runs on four routers and in the same area and on the same network segment. OSPF automatically elects a DR. Multiple BDRs to achieve better backup results.

- A. True
- B. False (Right Answers)

Answer: B

651. When logging in to the router through Telnet, which authentication methods can choose? (Multiple Choice)
- A. AAA local authentication (Right Answers)
 - B. Not certified
 - C. password authentication (Right Answers)
 - MD5 ciphertext authentication

Answer: AC

652. The packet that the DHCP server responds to the client must be a unicast packet.
- A. True
 - B. False (Right Answers)

Answer: B

653. Link aggregation is a common technique in enterprise networks. Which of the following descriptions are the advantages of link aggregation technology? (Multiple Choice)
- A Improve reliability (Right Answers)
 - B Improve safety
 - C. Increase bandwidth (Right Answers)
 - D Implement load sharing (Right Answers)

Answer: ACD

- 654 A switch receives a data frame with a VLAN tag, but finds that the destination MAC address of the data frame is not queried in its MAC address table which is the processing behavior of the switch for the data frame -
- A The switch will drop this data frame
 - B The switch broadcasts this data frame to all Access ports.
 - C The switch broadcasts this data frame to all ports (except the receiving port) in the VLAN that belongs to the data frame (Right Answers)
 - E The switch broadcasts the data frame to all ports

Answer: C

- 655 In order to check whether the serial port SO/D/1 on the router is a DTE interface or a BCE interface, which of the following commands should he used?
- A. display interface 80/0/1 (Right Answers)
 - B. display current-config
 - C. display saved-config
 - D display controller serial

Answer: A

656. Which of the following types of ACLs can match the transport layer port number?
- A. Intermediate ACL
 - B. Advanced ACL (Right Answers)
 - C. Layer 2 ACL
 - D. Basic ACL

Answer: B

657. What is the total length of an IPv6 address?
- A. 32
 - B. 64
 - C. 128 (Right Answers)
 - I=1 D. 96

Answer: C

658. Which protocol packet is required to bear for DHCPv6 packets? ☐ A. FTP
☐ B. TCP
☐ C. UDP (Right Answers)
☐ D. HTTP

Answer: C

659. Which statements are correct about IPv6 address configuration? (Multiple Choice) ☐ A. FRC addresses can only be manually configured.
☐ B. IPv6 supports DHCPv6 format for address configuration (Right Answers)
☐ C. IPv6 supports stateless autoconfiguration (Right Answers)
☐ D. IPv6 address supports multiple ways of automatic configuration (Right Answers)

Answer: BCD

660. The multicast address of the requested node corresponding to 2001::12:1 is FF02::1:FF12:1. ☐ A. True (Right Answers)
☐ B. False

False

Answer:

A

661. The client has an error accessing the FTP server. Checking that there is no problem with the connectivity between the server and the client is it possibly caused by which of the following server ports are blocked? (Multiple Choice) ☐ A. 21 (Right Answers)
☐ B. 20 (Right Answers)
☐ C. 50049
☐ D. 80

Answer: AB

662. Which fields are not included in the network layer header format? ☐ A. TTL
☐ B. Source IPv4 Address
☐ C. Sequence Number (Right Answers)
☐ D. Destination IPv4 Address

Answer: C

663. Which of the following descriptions are correct if an AR2200 router needs to be restored to its initial configuration? (Multiple Choice)
☐ A. Re-specify the configuration file to be loaded next time
☐ B. Reset the saved configuration (Right Answers)
☐ C. Clear current configuration
☐ D. Restart the AR2200 router (Right Answers)

Answer: BD

664. The administrator wants to completely delete the old device configuration file config.zip, then which of the following command is correct?

- A. delete /unreserved config.zip (Right Answers)
- B. delete /force config.zip
- C. clear config.zip
- D. reset

config.zip

Answer: A

665. In which of the following cases does the switch generate configuration BPDUs? (Multiple Choice) A. During the initialization process, as long as the port is enabled with STP, the configuration BPDU will be sent from the designated port according to the interval specified by the Hello Time timer B. When the root port receives the configuration BPDU, the device where the root port resides sends configuration BPDUs from each of its designated ports. C. When a non-designated port receives a configuration BPDU that is worse than itself, it immediately sends its own BPDU to the downstream device. D. When the designated port receives a configuration BPDU that is worse than itself, it will immediately send its own BPDU to the downstream device. Answer ABD
A. select this to commit (Right Answers)

Answer: A

666 The port cost calculated by STP has a certain relationship with the port bandwidth, that is, the larger the bandwidth, the () the overhead.

- A. Consistent
- B. Not necessarily
- C. bigger
- D. smaller (Right Answers)

Answer: D

667. In the RSTP protocol, the PIA mechanism requires that the link between two switching devices be in point-to-point full-duplex mode.

- A. True (Right Answers)
- B. False

Answer: A

668. The output information of a router is as follows. Which of the following statements are correct? (Multiple Choice)

- A. This router is DR (Right Answers)
- 13. Router Router ID is 10.0.1.1
- C. Router Router ID is 10.0.2.2 (Right Answers)
- D. The interface address of this router is 10.0.12.2 (Right

Answers) Answer: ACID

669. Which of the following commands can enable the DHCP relay function of the router interface?

- A. dhcp select server
- B. dhcp select global
- C. dhcp select interface
- dhcp select relay (Right Answers)

Answer: DI

670 As shown in the following figure, Switch A and Router A are connected through two link. The two links are in the manual load balancing mode. The aggregation port number is 1, and the aggregation link needs to forward data. Carrying VLAN TAG 100, which configuration does Router A need to use? (Multiple Choice)

A. interface Eth-Trunk1 port link-type trunk port trunk allow-pass vlan 100 # interface GigaEthernet0/0/1 eth-trunk 1 # interface GigaEthernet0/0/1 eth-trunk 1 4 interface GigaEthernet0/0/2 eth-trunk 1 (Right Answers)
C. interface Eth-Trunk1 mode lacp-static port link-type trunk port trunk allow-pass vlan 100 4 interface GigaEthernet0/0/1 eth-trunk 1 # interface GigaEthernet0/0/2 eth-trunk 1 4 # interface Eth-Trunk1 undo portswitch # interface Eth-Trunk1_100 dot1q termination vrf 100 ip address 10.0.122.255 255.255.0 arp broadcast enable # (Right Answers)

Answer: B0

671 As shown in the figure, the network administrator creates VLAN 2 on the SWA and SWB, and configures the ports connected to the hosts on the two switches as access ports and assigns them to VLAN 2. Configure 60/0/1 of SWA and 61/10/12 of SWB as trunk ports to allow all VLANs to pass. To achieve normal communication between the two hosts, what do you need to do -

A. Configure G0/0/1 on the SWC as the access port and configure Vlan 2 on the SWC. Configure G0/0/1 as the access port and PVID 2 on SWC. Create VLAN 2 on the SWC, configure 60/0/1 and G0/0/12 as trunk ports, and allow VLAN 210 to pass. (Right Answer)
C. Create VLAN2 on the SWC.
D. Configure 30/31/1 on the SWC as the trunk port and allow VLAN 2

to pass. Answer: B

672 If the Authenticator sends the wrong username and password to the Authenticator during the PPP authentication process, what type of message will the Authenticator send to the Authenticator? A. Authenticate-Reject

B. Authenticate-Ack
C. Authenticate-Nak
D. Authenticate-Reply

673. An ACL is a packet filter. The ACL is applied to the service module. The ACL takes effect. A. True (Right Answer)
B. False

Answer: A

674. An ACL rule is as follows: Which of the following IP addresses can be matched by the permit rule? (Multiple Choice) rule 5 permit ip source 10.0.1.0 0.0.254.255

A. 10.0.4.5
B. 10.0.3.4 (Right Answer)
C. 10.0.1.2 (Right Answer)
D. 10.0.2.3

Answer: BC

675. When an IPv6 interface receives a packet whose Hop Limit field has a value of 1, the packet is not forwarded. A. True (Right Answer)

B. False

Answer: A

676_ By default, how many seconds is the SPFv3 adjacency Deadtime on a P2P link?

A.40 (Right Answers)

B.10

C.20

D.30

Answer:

A

677 An explicit path can be easily defined by SR (Segment Routing), and nodes in the network only need to maintain Segment Routing information. It can respond to the real-time rapid development of business. What are the following characteristics of Segment Routing? (Multiple Choice)

A Support both the centralized control mode of the controller and the distributed control mode of the repeater. Provides a balance between centralized control and distributed control (Right Answers) B SR (Segment Routing) uses IP forwarding without additional maintenance of another label forwarding table.

C A better smooth evolution of existing networks by extending existing protocols such as IGP (Right Answers)

D Using source routing technology to provide rapid interaction between the network and upper-layer applications (Right Answers)

Answer: ACD

678. Which of the following statement about MPLS Label tags is wrong?

A.The tag is encapsulated between the network layer and the data link layer (Right Answers)

B. The label is used to uniquely identify the forwarding equivalence class FEC burned by a packet.

C. The label is carried by the header of the packet and does not contain topology information. D_ The tag is a short identifier with a fixed length and only local significance.

Answer: A

679. Which statement is correct about the VRP operating platform shortcuts? (Multiple Choice)

A.CTRL+Z returns to the user view (Right Answers)

B. CTRL+C stops the running of the current command (Right Answers)

C. Move the left cursor key (<--) to the left by one. (Right Answers)

D. TAB prompts for the most recently entered

command Answer: ABC

680.<Huawei>system-

view [Huawei]user-

interface console0

[Huawei-ui-console0] user privilege level

15 [Huawei-ui-console0] authentication-

mode password

[huawei-ui-console0] set authentication password cipher

huawei2012 [Huawei-ui-console0] quit

Which statement is wrong about the above configuration command?

A. The user who logs in to the device through the console has the highest user privilege level.

B. The administrator wants to log in and manage the device through the console port.

C. After the configuration is completed, the administrator cannot implement device management through remote login. The password of the user who logs in to the device through the console is cipher huawei2012 (Right Answers)

Answer:

681. In the switch, which of the following is the technology of port and MAC binding?

- A. SEP
- B. NAT
- C. ACL
- D. Port Security (Right Answers)**

Answer: D

682. Which of the following information does the switch MAC address table not include?

- A. MAC address
- B. Port number
- C. IP address (Right Answers)**
- D. V

LAN

Answer:

C

683. What port states might exist on a switch with standard STP protocol enabled?
(Multiple Choice)

- A. Discarding
- B. Listening (Right Answers)**
- C. Disabled (Right Answers)**
- D. Forwarding (Right Answers)**

Answer:

BCD

684. Which of the following routing protocols has the highest priority?

- A. Direct (Right Answers)**
- B. RIP
- C. OSPF
- D. S

tatic

Answer:

A

685. Referring to the output result shown in the figure, it can be judged that the routing table of the router is composed of a direct route and a static route.

- A. True (Right Answers)
- B. False

se

Answer:

A

686. Which of the following description is correct about the display information?

- A. GigabitEthernet 0/0/10 interface was manually closed by the administrator. (Right Answers)**
- B. GigabitEthernet 0/0/0 interface is not configured with an IP address.
- C. GigabitEthernet 0/0/0 interface does not enable dynamic routing protocol
- D. GigabitEthernet 0/0/0 interface is connected with a wrong cable.

Answer: A

687. The output information of a link aggregation port of a switch is as follows. If you want to delete Eth-Trunk 1, which of the following command is correct?

- A. undo interface Eth-Trunk 1
- B. int GigabitEthernet 0/0/1 undo eth-trunk quit undo interface Eth-Trunk 1 (Right Answers)**
- C. int GigabitEthernet 0/0/1 undo eth-trunk quit int GigabitEthernet 0/0/2 undo eth-trunk quit undo interface Eth-Trunk 1
- D. int GigabitEthernet 0/0/2 undo eth-trunk quit undo

interface Eth-Trunk 1 Answer: B

688. If an Ethernet data frame Length/Type=0x8100, which may be the payload of this data frame?
(Multiple Choice)

- A. TCP data segment (Right Answers)
- B. UDP data (Right Answers)
- C. ICMP packet (Right Answers)
- D. ARP packet (Right Answers)

Answer: ABCD

689. As shown in the figure, a static NAT command is deployed on the router R1. When the PC accesses the Internet, the destination address in the packet will not change.

0 A. True (Right Answers) 0 B. False

Answer: A

690. What level of encapsulation format is defined by the PPP protocol in the OSI reference model?

- A. Network layer
- B. Data link layer (Right Answers)
- C. Presentation layer
- D. Application layer

Answer: B

691. Which of the following authentication methods does not require to input a username and password?

- A. authorization-mode hwtacacs
- B. authentication-mode local
- C. authentication-mode hwtacacs
- D. authentication-mode none (Right Answers)

Answer: D

692. When forwarding a IPv6 packet, the router needs to find the routing table based on the source IP address of the IP6 packet.

- A. True
- B. False (Right Answers)

Answer: B

693. Which order is the OSI reference model from the upper layer to the lower layer?

- A. Application layer, session layer, presentation layer, transport layer, network layer, data link layer, physical layer
- B. Application layer, transport layer, network layer, data link layer, physical layer
- C. Application layer; presentation layer, session layer; transport layer; network layer, data link layer, physical layer (Right Answers)
- D. Application layer, presentation layer, session layer, network layer, transport layer, data

link layer, physical layer Answer: C

694. Network administrators use Ping to test network connectivity. Which of the following protocols might he used in the process? (Multiple Choice) **A ARP (Right Answers)**
B. TCP
C ICMP (Right Answers)
D. UDP

Answer: AC

695. As shown in the figure, it can be judged that 00e0-fc99-999 is a specific host MAC address learned by the switch through ARP, and the host has changed the IP address three times.

- A. True
B. False (Right

Answers) Answer: B

696. <Huawei>system-view [Huaweicommand-privilege level 3
view user save Which statement is correct about the above
configuration command?

- A. Modify the `user` view command to a permission level of 3, and save the configuration.
B. Modify the users permission level to 3, and save the configuration.
C. Modify the permission level of the save command in the user view to 3. (Right Answers)
D. Modify the permission level of the save command used by a

user to 3 Answer: C

697. Which of the following OSPF protocol packets can ensure the reliability of the LSA update?

- A. [SACK (Right Answers) ID B. LSR**
C. DD
D. LSU

Answer: A

- 698 Which of the following protocols does not belong to the file transfer protocol?

- A.
SFTP B
TFTP
C. FTP
D. HTTP (Right Answers)

Answer: D

699. Apply the following ACL to Telnet:
Acl number 2000
Rule 5 permit source 172.16.105.20

Only devices with an IP address of 172.16.105.2 are allowed to log in remotely.

- A. True (Right Answers)
- B. False

Answer: A

Answer:

A

700. [RTA] ac12002
[RTA-acl-basic-2002] rule deny source 172.16.1.1 0.0.0.0
[RTA-acl-basic-2002] rule deny source 172.16.0.0 0 255.0.0
Using the ACL matching rule entry shown above on the router RTA, which of the following entries will be matched? (Multiple Choice)
A. 192.17.0.0/24
B. 172.16.1.1/32 (Right Answers)
C. 172.16.1.0/24
D. 172.48.0.0/16 (Right Answers)

Answer: BD

701. Which type of ACL does the following command belong to? rule permit 8021p 7

- A. Layer 2 ACL (Right Answers)
- B. Basic ACL
- C. Advanced ACL
- D. Intermediate ACL

Answer: A

702. How many bits does the total length of an IPv6 address increase over IPv4?

- A. 32
- B. 96 (Right Answers)
- C. 64
- D. 128

Answer: B

703. What kind of IPv6 address is FE80::2E0:FCFF:FE6F:4F36?

- A. Multicast address
- B. Anycast address
- C. Link-local address (Right Answers)
- D. Global unicast

Answer: C

704. If the 11⁷¹v6 host wants to send packets up to 10 routers, which parameter should be modified in the Pve header?

- A.Next Header
- B. Version
- C.Hop Limit (Right Answers)
- D.Traffic Class

Answer: C

705. There are two routers RTA and RTB between the source device and the destination device. Use the Traced command to detect the path. When the first hop RTA is detected, the source device sends a UDP packet with a TTL of 1 to a larger port of the destination device. When the packet reaches the RTB, the TTL becomes 0, and the RTA responds to the source device. ICMP___message.
A Echo Request
B. Port Unreachable
o C. Time Exceeded (Right Answers) LI D. Echo Reply

Answer: C

706. This is the three packets that the administrator has captured on the network. Which of the following statements is incorrect?

- A. These three packets represent the three-way handshake process of TCP.
- B.Application layer data is not included in all three packets
- D C. The IP address of the Telnet server is 10.0.12.1, and the IP address of the Telnet client is 10.0.12.2. (Right Answers)
- D. The Telnet client uses the 50190 port to establish a connection with the server.

Answer: C

707. The administrator needs to configure the IP address on the G0f0/0 interface of the router. Which of the following address is correct to use?

- A. 145.4.2.55/26 (Right Answers)
- B. 237.6.1.2124
- C. 127.3.1.4128
- D. 192.168.10.112130

Answer: A

708. The subnet mask of a network segment 150.25.0.0 is 255.255.224.0, then which is the valid host address in the network segment? (Multiple Choice)

- A. 150.25.2.24 (Right Answers)
- B. 150.15.3.30
- C. 150.25.0.0
- D. 150.25.1.255 (Right

Answers) Answer: AD

709.How many port states does the RICMP protocol have?

- O A. 2
- O B. 4
- C. 3 (Right Answers)
- O D. 1

Answer: C

710.A router running OSPF can reach the FULL state after completing the LSDB synchronization.

- A. True (Right Answers)
- B.False

Answer: A

711. Which of the following is not included in the routing table?

A. MAC (Right Answers)

B. Destination/Mask

C. Cost

D. NextH

op

Answer:

A

712. Which descriptions are correct about DD packets and LSA in OSPF? (Multiple Choice)

A. The head of the LSA can uniquely identify an LSA. (Right Answers)

B. The DD packet contains only the header information of the LSA. (Right Answers)

C. DD packet contains LSA details

D. LSA head is only a small part of the LSA (Right Answers)

Answer: ABD

713. As shown in the figure, the network administrator wants to manually aggregate the two physical links between SWA and SWB into one Eth-trunk link; which of the following description is correct?

A. Cannot be aggregated (Right Answers) B It works normally after aggregation

C. It can be aggregated. Only GE ports can send and receive data after aggregation

D. It can be aggregated. Only Ethernet ports can send and receive data

after aggregation_ Answer: A

114. Which descriptions are correct about the Ethernet subinterface? (Multiple Choice)

A. The subinterface cannot be configured with an IP address.

B. A subinterface can be bound to multiple VLANs (Right Answers)

C. The IP address of the sub-interface cannot belong to the same network segment. (Right Answers)

D. The subinterface ID should be the same

as the VLAN 10 Answer: BC

115. Ethernet frames are processed and forwarded in the form of VLAN TAGs inside the switch.

A. True (Right Answers)

B. False

e

A

716. As shown in the following figure, from the security point of view, Router A refuses to receive OSPF packets, GE packets, IGMP packets from G0/0/1. Which of the following commands can fulfill this requirement?

A. acl number 3000 rule 5 deny ip ospf rule 10 deny igmp rule 15 deny icmp # interface GigabitEthernet0/0/1 traffic-filter inbound acl 3000 #
B. acl number 2000 rule 5 deny ip ospf rule 10 deny igmp rule 15 deny icmp # interface GigabitEthernet0/0/1 traffic-filter inbound acl 2000 # **(Right Answers)**
C. acl number 3000 rule 5 deny ip ospf rule 10 deny igmp rule 15 deny icmp # interface GigabitEthernet0/0/1 traffic-filter inbound acl 3000 #
D. acl number 3000 rule 5 deny ip ospf rule 10 deny igmp rule 15 deny icmp # interface GigabitEthernet0/0/1 traffic-

filter inbound acl 3000 # Answer: B

117. What is the length of the Traffic Class field in the IPv6 packet header? ☐ A. 4

☒ B. 8 **(Right Answers)**

☐ C. 2

☐ D. 6

Answer: B

718. How many ways to generate a DHCP device unique identifier DUID?

☐ A. 3

☒ B. 2 **(Right Answers)**

☐ C. 4

☐ D. 1

Answer: B

719. Which of the following descriptions are correct about IPv6? ☐ Choice)

☒ A. IPv6 address length is 128 bits. **(Right Answers)**

☐ B. IPv6 address length is 64 bits

☒ C. When an IPv6 packet has multiple extension headers, the extension header must appear in an orderly manner **(Right Answers)**

☐ D. When an IPv6 packet has multiple extension headers, the extension header can appear randomly

Answer: AC

720. The packet capture tool captures an Ethernet frame and finds that the value of the Type/Length field of the frame is 0x0800. Which of the following descriptions are correct about the frame? (Multiple Choice)

☐ A. The frame carries an IPX message.

☒ B. The frame carries an IP packet. **(Right Answers)**

☒ C. The frame structure of the frame is the Ethernet II format. **(Right Answers)**

☐ D. The frame structure of the frame is 802.3 format

Answer: BC

721. The MAC address table of a switch is as follows. If the switch receives a data frame with the destination MAC of 5489-985-18a8 from the Eth0/0/2 port, which of the following statements is correct?

☐ A. Forward this data frame from the Eth0/0/2 port
☐ B. Forward this data frame from the Eth0/0/1 port
☒ C. Discard this data frame **(Right Answers)**
☐ D. Flood this data frame out

Answer: C

722. The administrator plans to implement a route backup by configuring a static floating route. Which is the correct implementation method?
- A. The administrator needs to configure different protocol priority values for the primary static route and the alternate static route. (Right Answers)
 - B. The administrator needs to configure different metrics for the primary static route and the standby static route.
 - C. The administrator needs to configure different TAGs for the primary static route and the standby static route.
 - D. The administrator only needs to configure two static routes.

Answer: A

723. Regarding the main function of the router, which of the following statements are wrong? (Multiple Choice)
- A. Establish routing tables through multiple protocols
 - B. Guide data forwarding according to the routing table
 - C. Forward according to the source IP address of the received packet (Right Answers)
 - D. Realize communication between devices on the same network segment (Right Answers)

Answer: CD

724. The administrator finds that the file cannot be transferred to the Huawei AR200 router through TFTP. What is the possible cause? ☐ A. TCP port 69 of the TFTP server is disabled
- ☒ B. The username on the TFTP server does not exist.
 - ☐ C. The username and password on the TFTP server have been modified.
 - ☐ D. UDP port 69 of the TFTP server is disabled (Right Answers)

Answer: D

725. As shown in the following figure, the switch configuration information is as follows. Which of the following statements are correct? (Multiple Choice)

- A. Host B and host C can ping each other (Right Answers)
- B. Host A and Host B cannot ping (Right Answers)
- C. Host A and Host C can ping each other (Right Answers)
- D. All hosts can ping

each other Answer: ABC

726. Which of the following descriptions are correct about the PPP? (Multiple Choice)

- A PPP supports bundling multiple physical links into logical links to increase bandwidth **(Right Answers)**
- B. PPP supports plaintext and ciphertext authentication (Right Answers)
- C. PPP is not scalable and cannot be deployed on an Ethernet link.
- D. For the physical layer, PPP supports asynchronous links and synchronous links. **(Right Answers)**
- E. PPP supports multiple network layer protocols such as 'PCP and IPXCP. **(Right Answers)**

Answer: **ABDE**

727. The PPPoE client sends a PADI message to the server, and the server replies with a PADO message. What frame is the PADO packet?

- A. Multicast
- B. Broadcast (Right Answers)**
- C. Unicast
- D. Anyca

st

Answer:

B

728. The following rules exist in an ACL of the router: rule deny tcp source 192.168.1.0 0.0.0.255 destination 172.16.10.1 0.0.0.0 destination-port eq 21 Which of the following statement is correct?

- ☐ A. The source IP address is 192.168.1.1, the destination IP address is 172.16.10.1, and all TCP packets with the destination port number 21 match this rule. (Right Answers)
- ☐ B. The source IP address is 192.168.1.1, the destination IP address is 172.16.10.2, and all TCP packets with the destination port number of 21 match this rule.
- ☐ C. The source IP address is 192.168.1.1, the destination IP address is 172.16.10.3, and all TCP packets with the destination port number 21 match this rule.
- ☐ D. The type of ACL is basic ACL.

Answer: A

729. Which of the following IPv6 extension headers can appear twice?

- A. Destination option extension header (Right Answers)**
- B. Fragment extension header
- C. Upper layer protocol data message
- D. hop-by-hop option extension header

Answer: A

730. When the host uses the stateless address autoconfiguration scheme to obtain an IPv6 address, the DNS server address information cannot be obtained.

- A. True (Right Answers)**
- B. F

alse

Answer.

A

731 Which of the following packets is sent by the DHCPv6 client before sending a request packet to the DHCPv6 server?

- P
- RA
- 6 RS (Right Answers)**
- C. NA
- D. NS

Answer: B

732. Which type does the IPv6 address FE80::2E0TCFF:FE6F:4F36 belong to?

- A. Multicast address
- B. Link-local address (Right Answers)**
- C. Global unicast address
- D. Anycast

address

Answer: B

733. In the DHCPv6 stateless automatic allocation scheme, the host does not need to send any DHCPv6 packets.

- A. True
- B. False (Right Answers)**

Answer, B

734. The last option field of IPv4 is variable length optional information. What is the maximum Length of this field?

- A. 40B (Right Answers)**
- B. 20B
- C. 60B
- ☐ D. 10B

Answer: A

735. Regarding the role of ARP protocol and packet encapsulation, which description is correct?

- A. The MAC address of the destination and the address of the UUID can be obtained through the ARP protocol.
- B. ARP protocol supports deployment on PPP links and **HDLC** links.
- C. ARP protocol is based on Ethernet encapsulation (Right Answers)**
- D. Inverse ARP in ARP is used to resolve

device names Answer: C

736. The STP root switch is elected based on the priority of the switch. In RSTP, the switch priority and MAC address are compared at the same time.

- A. True
- B. False (Right Answers)**

Answer: B

737. Which of the following statement is correct?

- A. The switch works at the network layer.
- B. The router works at the physical layer.
- C. The switch works at the physical layer
- D. The router works at the network layer. (Right Answers)**

Answer:

738. A router learns routes to the same destination address through RIP, OSPF, and static routes. By default, VRP will ultimately choose which protocol to learn the route through?
- A. The routes learned by the three protocols are selected.
 - B. Static routing
 - C. OSPF (Right Answers)
 - D. RIP

Answer: C

739. If the network administrator does not configure a backbone area, the router automatically creates a backbone area.
- A. True
 - B. False (Right Answers)

Answer: B

740. What modes does device link aggregation support? (Multiple Choice)
- A. Mixed mode (Right Answers)
 - B. Manual load sharing mode (Right Answers)
 - C. Manual master mode
 - D. LACP mode

Answer: AB

741. The output information of a sub-interface of a router aggregation port 1 is as follows. According to this information, which of the following statements are correct? (Multiple Choice)

- A. The sub-interface of the aggregation port carries the VLAN TAG 100 when forwarding the data frame.
- B. The IP address of the subinterface of the aggregation port is 10.0.12.2/24. (Right Answers)
- C. There are two links in the aggregation port. (Right Answers)
- D. The subinterface number of the aggregation port is 100. (Right Answers)

Answer: BCD

742. As shown in the figure, the RTA uses NAT technology and implements a many-to-many non-NAPT address translation by defining an address pool, so that hosts on the private network can access the public network. Assume that there are only two public IP addresses in the address pool, and the addresses have been assigned to hosts A and B. If host C also wants to access the public network, which of the following descriptions is correct?

- I A RTA assigns the last public network address to host C, and host B is kicked off the line.
- 0 B. A/ hosts can use the public network address in turn to access the public network.
- 0 C Host C cannot be assigned to the public network address and cannot access the public network. (Right Answers)
- 0 D. RTA assigns the first public network address to host C, and host A is kicked off the line.

Answer: C

743. The OSPFv3 interface information of a router is as follows. Which of the following statements are correct? (Multiple Choice)

- A. The network type of this interface is P2P. (Right Answers)
- B. The Router-ID of this interface is 10.0.0.6. (Right Answers)
- C. The interface does not establish an adjacency relationship.
- D. The interface area number is 1 (Right

Answers) Answer: ABD

744. Which type of network does OSPFv3 need to elect DR?

- A. P2P network
- B. P2MP network
- C. CLNP Network
- D. Broadcast network (Right Answers)

Answer: D

745. Compared to IPv4; there is no IHL field in the IPv6 header.

- A. True (Right Answers)
- B. Fals

e

Answer:

A

746. The output information of a router is as follows. Which of the following statements are correct? (Multiple Choice)

- A. OSPFv3 process number is 1. (Right Answers)
- B. The DR priority of this router is 1. (Right Answers)
- C. This router is BDR
- D. The router-ID of the neighboring router is 10.0.1.1.

(Right Answers) Answer: ABD

747 A company applying for a Class C IP address segment needs to be evenly distributed to 8 subsidiaries. The largest subsidiary has 14 computers. Different subsidiaries must be in different network segments. What should the subnet mask be set to.
A 255 255 255 240
B 255 255 255 192
C 255 255 255 0
D 255 255 255 128 (Right Answers)

Answer: D

748. Which of the following commands can be used to check the session status of a PPPoE client?

- A. display ip interface brief
- B. display pppoe-client session packet (Right Answers)**
- C. display pppoe-client session summary
- . display current-configuration

Answer: B

749. Which of the following configurations belong to Layer 2 ACL?

- A. rule 10 permit 12-protocol arp (Right Answers)**
- B. rule 25 permit source 192.168.1.1 0.0.0.0
- C. rule 20 permit source-mac 0203-0405-0607
- . rule 15 permit vlan-id 100

Answer: A

750. The MPLS label header is encapsulated between the data link layer header of the message and the network layer header.

- A. True (Right Answers)**
- B. False

Answer: A

H12-211

1. ::1/128 is an IPv6 loopback address

- A. TRUE
- B. FALSE

Correct Answer: A

2. [Huawei]command-privilege level 3 view users save

Refer to the command output. what is the result of the shown command?

- A. The command adjusts the save command of a user to privilege level 3.
- B. The command adjusts the save command in the user view to privilege level 3
- C. The command adjusts the user view command privilege level to 3, and saves the configuration
- D. The command adjusts the privilege level of a user to 3, and saves the configuration.

Correct Answer: B

3. A Company applies for a class C IP address for subnetting. It has six branches and the largest branch should have 26 host. What would be an appropriate subnet mask for the largest branch? A. 255.255.255.0

- B. 255.255.255.128
- C. 255.255.255.192
- D. 255.255.255.224

Correct Answer: D

4. A DHCP Offer packet can carry only one DNS server address?
- A. TRUE
 - B. FALSE

Correct Answer: B

5. A DHCPv6 client send a () packet to a DHCPv6 server to request an IPv6 address and network configuration parameters
- A. Discover
 - B. Solicit
 - C. Advertise
 - D. Request

Correct Answer: D

6. A gateway must be configured for communication between a host and other hosts
- A. TRUE
 - B. FALSE

Correct Answer: B

7. A network administrator has been assigned the IP address segment 192.168.176.0/25, from which he/she must allocate a subnet to support 20 users in the marketing department. Which IP subnet best supports this requirement
- A. 192.168.176.0/25
 - B. 192.168.176.0/30
 - C. 192.168.176.48/29
 - D. 192.168.176.96/27

Correct Answer: D

8. A router can assign a specific IPv6 address to a host through stateless address autoconfiguration?
- A. TRUE
 - B. FALSE

Correct Answer: A

9. A router cannot function as both a DHCPv6 server and a DHCP server.
- A. TRUE
 - B. FALSE

Correct Answer: B

10. A segment routing global block (SRGB) is a set of local labels reserved for global segments, In MPLS and IPv6 an SRGB is a set of local labels reserved for global labels?
- A. True
 - B. False

Correct Answer: A

11. A switch process and forwards ethernet frames in tagged mode?
- A. TRUE
 - B. FALSE

Correct Answer: A

12. A switch receives a VLAN tagged frame, but the destination MAC address can't be found in the switch's MAC address table, how will the switch react?

- A. The switch will broadcast this frame to all ports.
- B. The switch will broadcast this frame to all ports in this VLAN.
- C. The switch will broadcast this frame to all access ports in this VLAN.
- D. The switch will discard this frame.

Correct Answer: B

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

- A. TRUE
- B. FALSE

Correct Answer: B

14. A trunk interface and a hybrid interface process packet in the same way when receiving data frames?

- A. TRUE
- B. FALSE

Correct Answer: A

15. A window Host is started for the first time. If the Host obtains the IP address using DHCP, what is the source IP address of the first data packet sent by the host?

- A. 0.0.0.0
- B. 127.0.0.1
- C. 169.254.2.33
- D. 255.255.255.255

Correct Answer: A

16. According to following configuration, R1 and R2 are connected through low speed serial cables and PPP is used to encapsulate data link layer packets? When the hold down value of R1 & R2 are different, PPP negotiation and communication fails?

- A. True
- B. False

Correct Answer: B

17. According to OSI reference model, which layer is responsible for end to end error checking and flow control?

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

Correct Answer: D

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

- A. TRUE
- B. FALSE

Correct Answer: A

19. After a blackhole MAC address is configured on a device, the device discard packet whose source or destination MAC address is the blackhole MAC address

- A. TRUE
- B. FALSE

Correct Answer: A

20. After a device is reset, an interface card is hot swapped, or an interface card is reset, the saved MAC address entries on the device or interface card are not lost

- A. TRUE
- B. FALSE

Correct Answer: B

21. After a network administrator enable the traceroute function on a router what is the value of the "TTL" field in the IPv4 header of the first data packet sent by the router?

- A. 0
- B. 1
- C. 254
- D. 255

Correct Answer: B

22. After an RSTP-enable switch receives the BPDUs with the TC bit set, the MAC addresses learned by all the ports are cleared
- A. TRUE
 - B. FALSE

Correct Answer: A

23. After the keepalive function is enabled for a GRE tunnel, the local end of the GRE tunnel sends a keepalive packet to the remote end every 10s.
- A. TRUE
 - B. FALSE

Correct Answer: B

24. All interface on a router belongs to the same broadcast domain?
- A. True
 - B. False

Correct Answer: B

25. All interface on a router running OSPF must belong to the same area
- A. TRUE
 - B. FALSE

Correct Answer: B

26. An ACL does not filter traffic generated by the Huawei device towards other devices, but only filters forwarded traffic including traffic generated by other devices to access the Huawei device.
- 27. TRUE
 - 28. FALSE

Correct Answer: A

29. An authentication router has been configured with two domain named "Area1" and "Area2", following which a user is created with the username "Huawei" and the password "hello" for authentication. Which domain does this user belongs to?
- A. Area1 domain
 - B. Area2 domain
 - C. default domain
 - D. default_admin domain

Correct Answer: C

30. An Eth-Trunk interface can be used only as a layer 2 interface
- A. TRUE
 - B. FALSE

Correct Answer: B

31. An interface on a router cannot function as both a DHCPv6 server and a DHCPv6 client
- A. TRUE
 - B. FALSE

Correct Answer: B

32. As a new tunneling technology that replaces MPLS, segment routing (SR) has attracted more and more attention. Many users want to introduce the SR technology to simplify network deployment and management and reduce capital expenditure (CAPEX). As a mainstream
- A. TRUE
 - B. FALSE

Correct Answer: A

33. As define in RSTP to improve the convergence speed you can define the port that is directly connected to a terminal as the ()
- A. Fast port
 - B. Backup port
 - C. Root port
 - D. Edge port

Correct Answer: D

34. Before forwarding IPv6 packets routers do not need to re-encapsulate the data link layer?
- A. True
 - B. False

Correct Answer: B

35. By default, in the SNMP protocol, which port number is used by the proxy process to send alarm message to the NMS?
- A. 161
 - B. 162
 - C. 163
 - D. 164

Correct Answer: B

36. By default, it takes at least 30 seconds for an STP-enabled port to transition from disabled to forwarding?
- A. TRUE
 - B. FALSE

Correct Answer: A

37. Compared with IPv4 headers, IPv6 header do not contain the IHL field
- A. TRUE
 - B. FALSE

Correct Answer: A

38. DHCP request packets must be sent in broadcast mode.
- A. TRUE
 - B. FALSE

Correct Answer: B

39. DHCPV6 clients must obtain both IPv6 addresses and other configurations from the DHCPv6 server.
- A. TRUE
 - B. FALSE

Correct Answer: B

40. DHCPv6 is a protocol for stateful IPv6 address autoconfiguration.
- A. TRUE
 - B. FALSE

Correct Answer: B

41. DHCPv6 Packet are carried using () packets?
- A. UDP
 - B. TCP
 - C. HTTP
 - D. FTP

Correct Answer: A

42. During device startup, the device selects a VRP version files depends on the configuration saved in the () storage medium?

- A. Flash memory
- B. SD card
- C. NVRAM
- D. USB

Correct Answer: A

43. During PPP link setup, which of the following phase can be directly converted from the Dead phase

- A. Authenticate
- B. Establish
- C. Network

Correct Answer: B

44. For an STP- enabled switch, a port in any state can transition to the disabled state

- A. TRUE
- B. FALSE

Correct Answer: A

45. For multiple paths to the same destination network, the router needs to compare cost values of the paths. If the cost value are the same the router selects the path based on the preference value

- A. TRUE
- B. FALSE

Correct Answer: B

46. For STP the default root path cost of the root bridge is 0?

- A. True
- B. False

Correct Answer: A

47. For STP, the message Age in the configuration BPDUs sent by the root bridge is 0?

- A. True
- B. False

Correct Answer: A

48. For the Versatile Routing Platform, the login timeout period can be set only on a VTY interface
- A. TRUE
 - B. FALSE

Correct Answer: B

49. How does a trunk port process data frames?
- A. If the VLAN ID is the same as the PVID of the port and the port allow traffic with this VLAN ID to pass through the port removes the VLAN tag from the data frames and forward them
 - B. If the VLAN ID is different from the PVID of the port the port removes the VLAN tag from the data frames and then forwards them
 - C. If the VLAN ID is different from the PVID of the port, the port replaces the VLAN tag of the data frames and then forward them
 - D. When the VLAN ID is different from the PVID of the port, the port discards the data frames

Correct Answer: A

50. How many DUIDs can each DHCPv6 server have?
- A. 1
 - B. 2
 - C. 3
 - D. 4

Correct Answer: A

51. How many port states are involved in RSTP?
- A. 1
 - B. 2
 - C. 3
 - D. 4

Correct Answer: C

52. How many TCP connections will be established when FTP is used to transfer files?
- A. 1
 - B. 2
 - C. 3
 - D. 4

Correct Answer: B

53. If a 10GE optical module is used to connect two Huawei S5710 switches, by default the interconnected interfaces work in full -duplex mode.
- A. TRUE
 - B. FALSE

Correct Answer: A

54. If a device running STP receives an RSTP configuration BPDU, it discards the BPDU
- A. TRUE
 - B. FALSE

Correct Answer: A

55. If a route destined for the same network has multiple next hops, what is the route?
- A. Equal-cost route
 - B. Sub-optimal route
 - C. Multi-Path route
 - D. Default route

Correct Answer: A

56. If AAA authentication is used on Huawei devices and the remote server does not respond, the authentication can be performed on network devices?
- A. TRUE
 - B. FALSE

Correct Answer: A

57. If the DHCPv6 client and DHCPv6 server reside on different links, a DHCPv6 relay agent is required?
- A. TRUE
 - B. FALSE

Correct Answer: A

58. If the EUI-64 address 78BC-FEFF-FFFE-EFAB is calculated based on a MAC address, what is the MAC address
- A. 7ABC-FEFE-EFAB
 - B. 78BC-FEFE-EFAB
 - C. 7ABC-FFFE-EFAB
 - D. 78BC-FFFE-EFAB

Correct Answer: A

59. IF the EUI-64 address CA93-93FF-FE7B-057B is calculated based on a MAC address, what is the MAC address?

- A. C89E-9D7B-057B
- B. CA9E-9D7B-057B
- C. A89E-9D7B-057B
- D. C89E-9DFF-057B

Correct Answer: A

60. If the MAC address of an interface is EEE0-AABB-CD7B, the corresponding EUI-64 address is ()

- A. ECE0-AAFF-FEBB-CD7B
- B. CCE0-AAFF-FEBB-CD7B
- C. EEE0-AAFF-FEBB-CD7B
- D. CCE0-AABB-FFFE-CD7B

Correct Answer: A

61. If the maximum number of an ACL rule is 12, by default, no number is specified when a new rule is configured. What is the number allocated by the system to the new rule?

- A. 13
- B. 14
- C. 15
- D. 16

Correct Answer: C

62. If the network administrator does not configure the backbone area, the router automatically make up the backbone area.

- A. TRUE
- B. FALSE

Correct Answer: B

63. If the packet matches the deny rule in an ACL, the packet is discarded

- A. TRUE
- B. FALSE

Correct Answer: A

64. If the value of the "Type/Length" field of an Ethernet data frame is 0x0800, the length range of the upper - layer packet header carried by the data frame is from 20B to 60B.
- A. TRUE
 - B. FALSE

Correct Answer: A

65. In a broadcast address, all host bits are set to 1 and a broadcast address can be used as a host address
- A. TRUE
 - B. FALSE

Correct Answer: B

66. In a scenario without virtual links, the next hop of each OSPFv3 route is a link-local address?
- A. True
 - B. False

Correct Answer: A

67. In Huawei Devices, when NAPT uses a dynamic address pool, addresses in the pool can be used repeatedly. That is, one IP address can be mapped o multiple intranet IP addresses
- A. TRUE
 - B. FALSE

Correct Answer: A

68. In IPv6, the flow label field, source address field, and destination address field specify a forwarding path for a specific data flow?
- A. TRUE
 - B. FALSE

Correct Answer: A

69. In RSTP, a backup port can replace a faulty root port
- A. TRUE
 - B. FALSE

Correct Answer: B

70. In RSTP, an edge port becomes a common STP port after receiving a Configuration BPDU.
- A. TRUE
 - B. FALSE

Correct Answer: A

71. In STP, when a designated port receives an inferior configuration BPDU, the designated port immediately sends its own configuration, BPDU to the downstream device?
- A. TRUE
 - B. FALSE

Correct Answer: A

72. In terms of security, tunnel mode is more secure than the transport mode.
- A. TRUE
 - B. FALSE

Correct Answer: A

73. In the case of Huawei router, the Tracert commands uses UDP to encapsulate probe packets
- A. TRUE
 - B. FALSE

Correct Answer: B

74. In the DHCPv6 stateless autoconfiguration solution, hosts do not need to send any DHCPv6 packet
- A. TRUE
 - B. FALSE

Correct Answer: A

75. In the LCP negotiation phase of the PPP protocol, which of the following packets is sent if all the parameters sent by the peer end are accepted?
- A. Configure- Request
 - B. Configure- ACK
 - C. Configure- Nak
 - D. Configure- Reject

Correct Answer: B

76. In the MPLS domain, the Full Name of LER is label egress router.

- A. TRUE
- B. FALSE

Correct Answer: B

77. In the MPLS forwarding process, when MPLS packets pass through the ingress LER the ingress LER pops out a label

- A. TRUE
- B. FALSE

Correct Answer: B

78. In the PPP frame format, the Protocol field is 0xC223. What is the protocol

- A. LCP
- B. NCP
- C. PAP
- D. CHAP

Correct Answer: D

79. In the VRP system you cannot delete files by running the delete or unreserved vrpcfg.zip command. You must clear files in the recycle bin?

- A. TRUE
- B. FALSE

Correct Answer: B

80. In which of the following state can an STP- enabled port transition of the forwarding state directly

- A. Blocking
- B. Disable
- C. Listening
- D. Learning

Correct Answer: D

81. IPsec VPN can only encrypt and transmit unicast data, and GRE can encapsulate multicast data

- A. TRUE
- B. FALSE

Correct Answer: A

82. IPv6 interface do not forward received data packets whose "Hop Limit" field is set to 1?
- A. TRUE
 - B. FALSE

Correct Answer: A

83. IPv6 uses NS and NA packets to perform duplicate address detection (DAD)
- A. TRUE
 - B. FALSE

Correct Answer: A

84. Layer 2 switches are data link layer devices that identify MAC addresses of Layer 2 data frames and forward Layer 2 data frames based on MAC addresses. In addition, they record mappings between MAC addresses and interfaces in the MAC address table.
- A. TRUE
 - B. FALSE

Correct Answer: A

85. MPLS dual-label stacking packets are () bytes lo ger than original IP packets
- A. 4
 - B. 8
 - C. 16
 - D. 32

Correct Answer: B

86. NAT differentiates IP addresses of different users based on protocol ID in TCP, UDP, or IP packet?
- A. TRUE
 - B. FALSE

Correct Answer: A

87. NAT uses the same public IP address but different port number to translate private IP addresses. Which statement regarding the port number is correct
- A. It is necessary to configure port mapping manually
 - B. It is only necessary to configure the port number range
 - C. It is not necessary to configure port number
 - D. An access control list is needed to assign port number

Correct Answer: C

88. On an STP- enabled switch, TCN BPDUs are sent only when a port on the local switch is faulty?
- A. TRUE
 - B. FALSE

Correct Answer: B

89. On a serial interface you can configure a static route by spending the next hop address or outbound interface?
- A. TRUE
 - B. FALSE

Correct Answer: A

90. On an STP-Enabled Switch, a port in learning state can transition to the forwarding state only after the forward delay
- A. TRUE
 - B. FALSE

Correct Answer: A

91. On Huawei switches, you can run the vlan batch commands to create multiple VLANs in batches
- A. TRUE
 - B. FALSE

Correct Answer: A

92. On P2P networks, OSPFv3 does not need to send DD packets when establishing an OSPFv3 adjacency?
- A. TRUE
 - B. FALSE

Correct Answer: B

93. On the command Line interface of Huawei AR routers, the role of the save command is to save the current system time.
- A. TRUE
 - B. FALSE

Correct Answer: B

94. On the Versatile Routing (VRP), which of the following commands is used to display the current interface configuration in the interface view?

- A. display users
- B. display version
- C. display ip interface brief
- D. display this

Correct Answer: D

95. Only CHAP authentication can be used for PPPoE sessions?

- A. True
- B. False

Correct Answer: B

96. OSPF allows for "multiple" processes By default, OSPF selects process whose number is ()

- A. 0
- B. 1
- C. 10

Correct Answer: B

97. OSPFv2 uses new types of LSAs to support IPv6?

- A. True
- B. False

Correct Answer: A

98. OSPFv3 itself does not provide the authentication function.

- A. TRUE
- B. FALSE

Correct Answer: A

99. Packet forwarded between two routers do not carry VLAN tags?

- A. TRUE
- B. FALSE

Correct Answer: B

100. PPP support both unidirectional authentication and bidirectional authentication?

- A. True
- B. False

Correct Answer: A

101. 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?

- A. TRUE
- B. FALSE

Correct Answer: A

102. Refer to the graphic. Four Switch are operating using STP. If port interface G0/0/2 on switch C fails, how long will it take for the 'Blocked' interface to change to a state of forwarding?

- A. 30 Seconds
- B. 50 Seconds
- C. 15 Seconds
- D. 3 Seconds

Correct Answer: B

103. Segment routing (SR) define destination address prefixes/nodes and adjacencies on the network as segments and allocates segment IDs (SIDs) to these segments. Adjacency and prefix/node SIDs are non-sequentially arranged in a segment list to form a forward

- A. TRUE
- B. FALSE

Correct Answer: B

104. Segment routing (SR) is a protocol designed based on () to forward data packet on a network

- A. Source routing
- B. Destination routing
- C. Policy-based routing
- D. Routing policy

Correct Answer: A

105. Segment routing-traffic engineering (SR-TE) is a new TE tunneling technology that uses SR as a control protocol. All nodes of an SR-TE tunnel including the ingress and transit nodes, must be aware of the tunnel and complete label distribution and forwarding
- A. TRUE
 - B. FALSE

Correct Answer: B

106. SNMP packets are transmitted by UDP
- A. TRUE
 - B. FALSE

Correct Answer: A

107. SNMPv1 defines five protocol operations
- A. TRUE
 - B. FALSE

Correct Answer: A

108. Static NAT can only implement one-to-one mapping between private and public addresses
- A. TRUE
 - B. FALSE

Correct Answer: A

109. Telnet is based on TCP?
- A. TRUE
 - B. FALSE

Correct Answer: A

110. The administrator wishes to change name of the router, under which view should the administrator be in order to achieve this?
- A. User-view
 - B. System-view
 - C. Interface-view
 - D. Protocol-view

Correct Answer: B

111. The administrator wishes to configure OSPF on a router in the network, however the router has no loopback interface. Which value will be used as the router ID
- A. The lowest IP address of the router's active interface
 - B. The highest IP address of the router's interface
 - C. The IP address of the management interface
 - D. The priority value of the router

Correct Answer: B

112. The authentication, authorization and accounting schemes and HWTACACS or RADIUS server templates created on AR routers take effect only after being applied to a domain
- A. TRUE
 - B. FALSE

Correct Answer: A

113. The basic header of IPv6 packets has a fixed length
- A. TRUE
 - B. FALSE

Correct Answer: A

114. The broadcast address of the subnet 192.168.1.0/25 is 192.168.1.128
- A. TRUE
 - B. FALSE

Correct Answer: B

115. The DHCPv6 server adds the management address configuration flag (M) to an RA packet. If M is set to 1, which of the following statements is true?
- A. DHCPv6 stateful address configuration is enabled on the client
 - B. IPv6 stateless address autoconfiguration is enabled on the client
 - C. The client needs to use stateful DHCPv6 to obtain other network configuration parameters.
 - D. The client needs to use stateless DHCPv6 to obtain other network configuration parameters.

Correct Answer: A

116. The DHCPv6 server also provide configuration information such as the DNS server address for hosts?
- A. True
 - B. False

Correct Answer: A

117. The following configuration shows that IP address of GE0/0/0 on a device is incorrect because the IP address of the interface cannot end in 0?

- A. TRUE
- B. FALSE

Correct Answer: A

118. The IKE protocol is used to set up an SA for IPsec automatic negotiation. Identity authentication can be performed when the IP address of the initiator changes dynamically

- A. TRUE
- B. FALSE

Correct Answer: A

119. The IP addresses of VLANIF interfaces on the same switch must be different.

- A. TRUE
- B. FALSE

Correct Answer: A

120. The IPv6 Address 2001:ABEF:224E:FFE2:BCC0:CD00:DDBE:8D58 cannot be abbreviated

- A. TRUE
- B. FALSE

Correct Answer: A

121. The last option field (option) of an IPv4 packet is a length-variable and optional field. What is the maximum length of this field?

- A. 40B
- B. 60B
- C. 20B
- D. 10B

Correct Answer: A

122. The Length of an IPv6 address prefix can be represented by a mask?

- A. TRUE
- B. FALSE

Correct Answer: B

123. The load balancing modes at both ends of an Eth-Trunk can be different
- A. TRUE
 - B. FALSE

Correct Answer: B

124. The loop protection function provided by RSTP can take effect only on designated port
- A. TRUE
 - B. FALSE

Correct Answer: B

125. The management information base (MIB) is a virtual Database that is stored on the NMS?
- A. TRUE
 - B. FALSE

Correct Answer: A

126. The maximum number of VTY user interfaces determines how many users can log in to the device through Telnet or STelnet at the same time.
- A. TRUE
 - B. FALSE

Correct Answer: A

127. The MPLS architecture consists of the control plane and forwarding plane. The following plane switches labels and forwards packets
- A. TRUE
 - B. FALSE

Correct Answer: A

128. The multicast address FF02::1 indicate all nodes within the link-local scope?
- A. TRUE
 - B. False

Correct Answer: A

129. The Multicast address FF02::2 indicate all routers within the link-local scope?
- A. TRUE
 - B. FALSE

Correct Answer: A

130. The network administrator finds that a port on the switch has learnt MAC address but cannot forward data frames. What is the state of the port?

- A. Blocking
- B. Disabled
- C. Listening
- D. learning

Correct Answer: D

131. The packets returned by the DHCP server to the DHCP client must be unicast packets.

- A. TRUE
- B. FALSE

Correct Answer: A

132. The root protection function provided by RSTP can take effect only on designated ports

- A. TRUE
- B. FALSE

Correct Answer: A

133. The Router ID of the OSPF enabled router must be same as the IP address of an interface on the router?

- A. TRUE
- B. FALSE

Correct Answer: B

134. The routers in the backbone area have information about all the LSDBs of other areas.

- A. TRUE
- B. FALSE

Correct Answer: A

135. The solicited-node multicast address consists of the prefix FF02::1:FF00:0/104 and the last 24 bits of the corresponding unicast address

- A. TRUE
- B. FALSE
- C. quit

Correct Answer: A

136. The solicited-node multicast address corresponding to the IPv6 address 2001::12:1 is FF02::1:FF12:1
- A. TRUE
 - B. FALSE

Correct Answer: A

137. The TCP protocol uses the three-way handshake mechanism to establish and disable connections. Therefore, TCP support reliable data?
- A. TRUE
 - B. FALSE

Correct Answer: A

138. The VLAN ID cannot be set to 0
- A. TRUE
 - B. FALSE

Correct Answer: A

139. To provide the information about the IP addresses that a user packet traverses along the path to the destination, which of the following does Tracert record in each expired ICMP TTL packet
- A. Destination port
 - B. Source port
 - C. Destination IP address
 - D. Source IP address

Correct Answer: D

140. UDP does not guarantee data transmission reliability and does not provide packet sorting and traffic control functions. It is suitable for the traffic that has low requirements for data transmission reliability, but high requirements for the transmission
- A. TRUE
 - B. FALSE

Correct Answer: A

141. What is the default interval for sending OSPF Hello packets on a broadcast network?
- A. 10s
 - B. 20s
 - C. 30s
 - D. 40s

Correct Answer: A

142. What is the default least time of the IP address allocated by the DHCP server?
- A. 1 hour
 - B. 12 hours
 - C. 18 hours
 - D. 24 hours

Correct Answer: D

143. What is the default priority of static routes on a Huawei AR router?
- A. 0
 - B. 60
 - C. 100
 - D. 120

Correct Answer: B

144. What is the destination address of DHCPv6 request packets?
- A. FF02::1:2
 - B. FF02::1
 - C. FF02::2
 - D. FF01::1:2

Correct Answer: A

145. What is the destination MAC address of STP BPDUs?
- A. 01-80-C2-00-00-00
 - B. FF-FF-FF-FF-FF-FF
 - C. 00-80-C2-00-00-00
 - D. 01-80-C2-04-05-06

Correct Answer: A

146. What is the number range of an advanced ACL?
- A. 2000-2999
 - B. 3000-3999
 - C. 4000-4999
 - D. 6000-6031

Correct Answer: B

147. What is the total length of the port ID in STP?
- A. 2 bits
 - B. 4 bits
 - C. 8 bits
 - D. 16 bits

Correct Answer: D

148. What is the UDP port number used by the DHCPv6 server?
- A. 546
 - B. 547
 - C. 548
 - D. 549

Correct Answer: B

149. What is the value of the type field in RSTP configuration BPDUs?
- A. 0x00
 - B. 0x01
 - C. 0x02
 - D. 0x03

Correct Answer: C

150. When a host uses DHCPv6 stateless autoconfiguration, the host sends a DHCPv6 () packet to request configuration information?
- A. Information-Request
 - B. CONFIRM
 - C. SOLICIT
 - D. REBIND

Correct Answer: A

151. When a host uses the IP address 192.168.1.2 to access the internet, NAT must be performed
- A. TRUE
 - B. FALSE

Correct Answer: A

152. 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.
- A. TRUE
 - B. FALSE

Correct Answer: A

153. When a switch port receives a frame that does not carry a VLAN tag, it must add a PVID to the frame.
- A. TRUE
 - B. FALSE

Correct Answer: A

154. When a switch port sends a data frame with the same VLAN tag and PVID, the switch port removes the VLAN tag and forwards frame.
- A. TRUE
 - B. FALSE

Correct Answer: A

155. When a switch running standard STP receives an inferior configuration BPDU through a port, it immediately sends its own configuration BPDU through the port?
- A. TRUE
 - B. FALSE

Correct Answer: B

156. When a two-way neighbor relationship is set up between two OSPF-enable routers, it means the LSDB synchronization has been completed, but the SPF algorithm has not been performed yet
- A. TRUE
 - B. FALSE

Correct Answer: B

157. When configuring a static route on a broadcast interface, you must specify the next -hop IP address.
- A. TRUE
 - B. FALSE

Correct Answer: A

158. When Forwarding a data packet, a router needs to change the destination IP address of the data packet?
- A. TRUE
 - B. FALSE

Correct Answer: B

159. When redundant links exist on a switching network, STP can be used to eliminate loops.
- A. TRUE
 - B. FALSE

Correct Answer: A

160. When the “delete vrpcfg.zip” command is run on the user interface of the Versatile Routing Platform (VRP), the file can be permanently deleted only after it is cleared from the recycle bin.
- A. TRUE
 - B. FALSE

Correct Answer: A

161. When the host accesses web service of the server, the value of the 'protocol' field at the network layer is 6.
- A. TRUE
 - B. FALSE

Correct Answer: A

162. When the IPsec data encapsulation mode is tunnel mode, the IP address of the intranet host is hidden. In this way the security of the entire original data packet is protected
- A. TRUE
 - B. FALSE

Correct Answer: A

163. When the values of the M and O flags in the RA packet that a DHCPv6 client receives from a DHCPv6 server are (), the DHCPv6 client uses DHCPv6 stateful autoconfiguration to obtain an IPv6 address and another configuration information?
- A. 11
 - B. 10
 - C. 1
 - D. 0

Correct Answer: A

164. Which area ID is used by OSPFv3 to identify the backbone area?
- A. 0
 - B. 1
 - C. 2
 - D. 3

Correct Answer: A

164. Which commands 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

Correct Answer: D

165. Which field in the IPv6 packet header can be used for QOS?
- A. Traffic Class
 - B. next header
 - C. version
 - D. Payload length

Correct Answer: A

166. Which is the default value of switch priority when STP is enabled on Huawei switch A.
- A. 4096
 - B. 8192
 - C. 16384
 - D. 32768

Correct Answer: D

167. Which layer of the OSI reference model does a switch work at?
- A. Network layer
 - B. Data link layer
 - C. Physical layer
 - D. Transport layer

Correct Answer: B

168. Which of the following ACLs cannot match network layer information?
- A. Basic ACL
 - B. Advanced ACL
 - C. Layer 2 ACL
 - D. User ACL

Correct Answer: C

169. Which of the following addresses cannot be used as the IPv4 address of a host?
- A. Class A address
 - B. Class B address
 - C. Class C address
 - D. Class D address

Correct Answer: D

170. Which of the following cannot be the length of an IPv4 packet header?
- A. 20B
 - B. 32B
 - C. 60B
 - D. 64B

Correct Answer: D

171. Which of the following command is/are used to set the authentication Mode to HWTACACS authentication?
- A. authentication-mode hwtacacs
 - B. authentication-mode local
 - C. authentication-mode none
 - D. authentication-mode hwtacacs

Correct Answer: A

172. Which of the following commands can be used to change the device name to Huawei?
- A. sysname huawei
 - B. hostname huawei
 - C. rename huwei
 - D. do name huawei

Correct Answer: A

173. Which of the following description regarding the STP forwarding state is incorrect?
- A. A port in a forwarding state can receive BPDU
 - B. A port in a forwarding state does not learn the source MAC address of a frame
 - C. A port in a forwarding state can forward frames
 - D. A port in a forwarding state can send BPDU

Correct Answer: B

174. Which of the following field is added to the IPv6 packet header compared with the IPv4 packet header?
- A. Source Address
 - B. Destination Address
 - C. Version
 - D. Flow Label

Correct Answer: D

175. which of the following fields is not included in the format of the network - layer packet header?
- A. Source IPv4 Address
 - B. Destination Ipv4 Address
 - C. TTL
 - D. Sequence number

Correct Answer: D

176. Which of the following information is not included in the MAC address table of a switch?
- A. MAC address
 - B. Port number
 - C. IP address
 - D. undo Eth-trunk

Correct Answer: C

177. Which of the following IP addresses can be used by another host to communicate with the host whose ip address is 200.200.200.201/30 without the need to forward traffic through a router?
- A. 200.200.200.1
 - B. 200.200.200.200
 - C. 200.200.200.202
 - D. 200.200.200.203

Correct Answer: C

178. Which of the following IPv4 addresses can be directly used by a host to access the internet?
- A. 192.168.1.1/24
 - B. 10.255.255.254/24
 - C. 172.16.255.254/24
 - D. 172.32.1.1/24

Correct Answer: D

179. Which of the following IPv6 extension headers can occur twice?
- A. Hop-by-Hop Option header
 - B. Fragment extension header
 - C. Destination Option header
 - D. Upper-layer header

Correct Answer: C

180. Which of the following is not the reason why RSTP can increase the convergence speed?
- A. P/A mechanism
 - B. Edge port
 - C. Quick transition between root port state
 - D. The Forward Delay timer is canceled

Correct Answer: B

181. Which of the following is the format of application data after being processed by the data link layer?
- A. PDU
 - B. Packet
 - C. Frame
 - D. Segment

Correct Answer: C

182. Which of the following is the full name of VRP?
- A. Versatile Routing Platform
 - B. Virtual Routing Platform
 - C. Versatile Routing Protocol
 - D. Versatile Redundancy Platform

Correct Answer: A

183. Which of the following is/are advantages of inter-VLAN routing in one-arm routing mode?
- A. Reduced the number of links
 - B. Reduced the use of IP addresses
 - C. Reduced the number of devices
 - D. Reduced the number of entries in the routing table

Correct Answer: A

184. Which of the following methods is not used for logging in to the VRP system?
- A. Telnet
 - B. SSH
 - C. Web
 - D. Netstream

Correct Answer: D

185. which of the following options is not a segment routing (SR) label action?
- A. Push
 - B. Swap
 - C. POP
 - D. switch

Correct Answer: D

186. Which of the following options is the simplest form of IPv6 address
3001:0DB8:0000:0000:0346:ABCD:42BC:8D58?
- A. 3001:DB8::346:ABCD:42BC:8D58
 - B. 3001:0DB8::0000:0346:ABCD:42BC:8D58
 - C. 3001:0DB8::0346:ABCD:42BC:8D58
 - D. 3001:DB8::0346:ABCD:42BC:8D58

Correct Answer: A

187. Which of the following OSPF packets can ensure LSA update reliability?
- A. LSU
 - B. LSR
 - C. LSACK
 - D. DD

Correct Answer: C

188. Which of the following packet is sent by a DHCPv6 client before it sends a request packet to the DHCPv6 server?

- A. RS
- B. RA
- C. NS
- D. NA

Correct Answer: A

189. Which of the following packet is sent by a DHCPv6 client before it ends a request packet to the DHCPv6 server?

- A. TRUE
- B. FALSE

Correct Answer: A

190. Which of the following packet is used by OSPFv3 to maintain neighbor relationship?

- A. Hello packet
- B. Database Description (DD) packet
- C. Link State request (LSR) packet
- D. Link State Update (LSU) packet

Correct Answer: A

191. Which of the following packets is used by the DHCPv6 server to reply to solicit packets?

- A. Advertise
- B. Offer
- C. Reply
- D. Request

Correct Answer: A

192. Which of the following parameters is not used by advanced ACL?

- A. Source interface
- B. Destination Port number
- C. Protocol number
- D. Time-range

Correct Answer: A

193. Which of the following parameters is used for master/slave role election of OSPF?
- A. Router ID
 - B. Interface IP address
 - C. Sequence for protocols to Start
 - D. OSPF Process ID

Correct Answer: A

194. Which of the following parameters is used to elect Root Bridge in STP?
- A. Bridge ID
 - B. Port ID
 - C. Root Path Cost
 - D. System Name of the Switch

Correct Answer: A

195. Which of the following port number is used by the FTP control plane?
- A. 21
 - B. 22
 - C. 23
 - D. 24

Correct Answer: A

196. Which of the following port roles are added to Rapid Spanning Tree Protocol (RSTP) compared with STP?
- A. Root port
 - B. Designated port
 - C. Alternate port
 - D. Backup port

Correct Answer: D

197. Which of the following protocols belongs to the IGP?
- A. BGP
 - B. OSPF
 - C. Static routing
 - D. Direct Routing

Correct Answer: B

198. Which of the following service modules has/have the ACL with the default action of permit?
- A. telnet
 - B. HTTP
 - C. SNMP
 - D. flow policy

Correct Answer: D

199. Which of the following SNMP packets is/are sent by the agent on the managed device to the NMS?
- A. Get-Request
 - B. Get-Next-Request
 - C. Set-Request
 - D. Response

Correct Answer: D

200. Which of the following statement about Length/Type = 0x8100 in an Ethernet data frame is/are true?
- A. The data frame must carry a VLAN tag
 - B. The upper layer of the data frame must have an IP header
 - C. The upper layer of the data frame must have a TCP header
 - D. The upper layer of the data frame must have a UDP header

Correct Answer: A

201. Which of the following statement is true about root bridge election of STP?
- A. If the bridge priorities of device are the same, the device with the largest MAC address becomes the root bridge
 - B. The device with the largest bridge priority becomes the root bridge
 - C. The device with the smallest bridge priority becomes the root bridge
 - D. If the bridge priority is the same, the device with the largest number of ports becomes the root bridge

Correct Answer: C

202. Which of the following statements about node segments is false?
- A. Node segments are special prefix segments
 - B. A node segment is used to identify a specific node
 - C. The node SID must be different from the prefix SID of the node
 - D. undo interface Eth-trunk-1

Correct Answer: C

203. Which of the following statements about the static route preference on Huawei devices is false?
- A. Static route preferences range from 0 to 255
 - B. Default static route preference is 60
 - C. Static route preference is either internal or external. Administrators can modify external preferences.
 - D. If static route preference is 255, the route cannot be used.

Correct Answer: C

204. Which of the following statements is false about ARP packets?
- A. ARP Request packets are transmitted in broadcast mode
 - B. ARP Reply packets are transmitted in Unicast mode
 - C. Any network device needs to send ARP packets to obtain the data link layer identifier.
 - D. ARP packets cannot traverse routers and cannot be forwarded to another broadcast domain.

Correct Answer: D

205. Which of the following statements is true about an STP-enable port in forwarding state?
- A. The port forward user traffic and processes BPDUs
 - B. The port only receives and processes BPDUs and does not forward user traffic
 - C. The port does not process BPDUs or forward user traffic
 - D. The port creates MAC address entries based on the received user traffic but does not forward user traffic

Correct Answer: A

205. Which of the following statements is true about link aggregation in manual load balancing mode?
- A. In manual load balancing mode, all active interfaces forward data and load balance traffic.
 - B. A maximum of four active interfaces can be configured in manual load balancing mode.
 - C. In manual load balancing mode, devices at both ends of a link send LACPDUs to each other.
 - D. The number of active interfaces can be set in manual load balancing mode.

Correct Answer: A

206. Which of the following statements is true about the alternate port in RSTP?
- A. An Alternate port acts as a backup of the designated port and provides a backup path from the root bridge to the related network segment.
 - B. An Alternate port acts as a backup of the root port and provides a alternate path from the designated bridge to the root bridge.
 - C. An alternate port does not forward user traffic but learns MAC address.
 - D. An alternate port forward user traffic and learns MAC address.

Correct Answer: B

207. Which of the following statements is true about the forward Delay timer of STP?
- A. Improves the STP convergence speed
 - B. Reduces the interval for sending BPDUs
 - C. Prevent temporary loops
 - D. Delay is required when a port transitions between Blocking and Disabled

Correct Answer: C

208. Which of the following storage devices is used to store the startup configuration files in a router?
- A. SDRAM
 - B. NVRAM
 - C. Flash
 - D. BootROM

Correct Answer: C

209. Which of the following technologies is used by the shared media network to forward data?
- A. CSMA/CD
 - B. CDMA/CD
 - C. CSMA/AC
 - D. TDMA/CD

Correct Answer: A

210. Which of the following technologies is used to bind MAC addresses to interface on a switch?
- A. SEP
 - B. Port security
 - C. ACL
 - D. NAT

Correct Answer: B

211. Which of the following values of the Length/Type field in an Ethernet data frame indicates the PPPoE discovery stage?
- A. 0x8863
 - B. 0x8864
 - C. 0x0806
 - D. 0x0800

Correct Answer: A

212. You can run the "mkdir test" command on the Versatile Routing Platform (VRP) to create a folder named "test" in the system?
- A. TRUE
 - B. FALSE

Correct Answer: A

213. You can run the "startup saved configuration backup.cfg" command on the user interface of the versatile routing platform (VRP) to specify the "backup.cfg" file as the configuration file for next startup
- A. TRUE
 - B. FALSE

Correct Answer: A

214. You can run the "pwd" and "dir" commands on the Versatile Routing Platform (VRP) to view file information in the current directory
- A. True
 - B. False

Correct Answer: A

215. On the network shown in the following figure, all interface run OSPFv3. How many DRs exist on the network?
- A. 1
 - B. 2
 - C. 3
 - D. 4

Correct Answer: A

216. 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

Correct Answer: C

217. <Huawei>display
ospfv3 peer OSPFv3
Process (1) OSPFv3 Area
(0.0.0.0)

Neighbor ID	Pri	State	Dead Time	Interface	Instance ID
10.0.1.1	1	p	00:00:33	GE0/0/0	0
10.0.2.2	1	Full/DR	00:00:33	GE0/0/0	0

OSPFv3 Area (0.0.0.1)

Neighbor ID	Pri	State	Dead Time	Interface	Instance ID
10.0.5.5	1	p	00:00:33	S1/0/0	0F

A. TRUE
B. FALSE

Correct Answer: A

218. <Huawei>display startup MainBoard:

Startup system software: flash:/AR2220E-V200R007C00SPC600.cc Next
startup system software: flash:/AR2220E-

V200R007C00SPC600.cc Backup system software for
next startup: null

Startup saved-configuration file: flash:/vrpcfg.zip Next startup
saved-configuration file: flash:/vrpcfg.zip Startup license file:
null

Next startup license file: null Startup
patch package: null Next startup
patch package: null Startup voice-
files: null

Next startup voice-files: null

The preceding information is the 'Display startup' command output on the AR2220 router. Which of the following statement is false about Such information?

- A. The running Configuration file is not Saved.
- B. The System file used for this startup is AR2220E-V200R007C00SPC600.cc
- C. The System file for next startup cannot be modified.
- D. You can run the 'startup system software' command to modify the system file for next startup

Correct Answer: A

219. According to the following configuration of an interface, if all the displayed IPv6 address are available, how many global unicast address prefixes are advertised by the interface?

```
interface?
Interface GigabitEthernet0/0/0 ipv6
Enable
ipv6 address 2003::1/64
ipv6 address 2004::1/64
ipv6 address 2005::1/64
ipv6 address 2009::1/64
ospfv3 1 area 0.0.0.0
#
```

- A. 1
- B. 2
- C. 3
- D. 4

Correct Answer: D

220. Apply the Following ACL to telnet?

Acl number 2000

```
rule 5 permit source 172.16.105.2 0 #
```

Only the device whose IP address is 172.16.105.2 is allowed for remote login?

- A. TRUE
- B. FALSE

Correct Answer: A

221. As shown below, the routing table of the router consists of direct routes and static routes? <Huawei>display ip routing-table

Route Flags: R - relay, D - download to fib

Routing Tables: Public

Destinations : 7 Routes :
7

Destination/Mask Proto	Pre Cost	Flags NextHop	Interfa c e
1.1.1.1/32 Static 60	0	D 100.1.1.1	GigabitEthernet
0/0/0			
10.0.0.2/24 Direct 0	0	D 100.1.1.1.	GigabitEthernet
0/0/0			
10.1.1.255/32 Direct 0	0	D	GigabitEthernet
0/0/0		127.0.0.1	
127.0.0.0/8 Direct	0	D 127.0.0.1	InLoopBack0
0			
127.0.0.1/32 Direct	0	D 127.0.0.	InLoopBack0
0		1	

- A. TRUE
B. FALSE

Correct Answer: A

222. Refer to the graphic, the static NAT command is executed on R1. When a PC connected to R1 access the Internet, the destination address in the packet does not change?

[R1]nat static global 202.10.1.3 inside 192.168.0.2 netmask 255.255.255.255

- A. TRUE
B. FALSE

Correct Answer: A

223. According to the following configuration of Router C, how many Global unicast address prefixes are advertised by Router C?

```
Huawei]display ospfv3 interface GigabitEthernet 0/0/0
GigabitEthernet0/0/0 is up, line protocol is up Interface ID 0x3
Interface MTU 1500

IPv6 Prefixes
FE80::2E0:FCFF:FE59:3498 (Link-Local Address)
2003::1/64
2005::1/64
2009::1/64

OSPFv3 Process (1), Area 0.0.0.0, Instance ID 0
Router ID 10.0.4.4, Network Type BROADCAST, Cost: 1 Transmit
Delay is 1 sec, State Backup, Priority 1 Designated Router (ID)
10.0.2.2
Interface Address FE80::2E0:FCFF:FE5B:6CF9
Backup Designated Router (ID) 10.0.1.1 Interface
Address FE80::2E0:FCFF:FEC6:4A10
```

- A. 1
- B. 2
- C. 3
- D. 4

Correct Answer: C

224. SR encapsulates the segment list identifying a forwarding path into a data packet header for transmission After receiving the data packet, the receiver end parses the segment list. If the top SID of the segment list belongs to the local node, the top SID is popped out, and then further processing is performed, if the top SID of the segment list does not belong to the local node, the data packet is forwarded to the next node in equal cost multiple path(ECMP) mode?

- A. TRUE
- B. FALSE

Correct Answer: A

225. Apply the Following ACL to SNMP. Which of the following statements is/are false?

Acl number 2000

rule 5 permit source 192.168.1.2

0 rule 10 permit source

0 rule 15 permit

source 192.168.1.4 0

- A. The Device whose IP address is 192.168.1.2 can use the SNMP service
- B. The Device whose IP address is 192.168.1.3 can use the SNMP service
- C. The Device whose IP address is 192.168.1.4 can use the SNMP service
- D. The Device whose IP address is 192.168.1.5 can use the SNMP service

Correct Answer: D

226. PING 10.0.0.2: 56 data bytes, press CTRL_C to break

Reply from 10.0.0.2: bytes=56 Sequence=1 ttl=128 time=60 ms Reply

from 10.0.0.2: bytes=56 Sequence=2 ttl=128 time=40 ms

--- 10.0.0.2 ping statistics --- 2

packet(s) transmitted

2 packet(s) received

0.00% packet loss

round-trip min/avg/max = 40/46/60 ms

The Network Administrator can run the "ping" command on the AR G3 router to test the connectivity to 10.0.0.2. Which of the following statement is true about the command output?

- A. The Command used by the network administrator is "ping -c 2 -s 800 10.0.0.2"
- B. The Command used by the network administrator is "ping -a 2 -v 800 10.0.0.2"
- C. The destination address 10.0.0.2 is unreachable.
- D. The network administrator changes the default TTL value to 255

Correct Answer: A

227. Routing

Table: Public

Destination: 4

Route: 4

Destination/Mask Proto Pre Cost Flags NextHop Interface

- A. Proto indicates the routing protocol used to learn the route
- B. Destination/Mask indicates the address and mask length of a destination network or host
- C. NextHop indicates the local interface address of the route
- D. Pre indicate the priority of the routing protocol

Correct Answer: C

228. The DHCP server function is enabled on an interface of a route. What gateway address will be obtained by the DHCP CLIENT?

Interface GigabitEthernet0/0/1 Ip

address 11.0.1.1

255.255.255.0 dhcp select

interface

dhcp server excluded-ip-address 11.0.1.2 11.0.1.127

- A. 11.0.1.1
- B. 11.0.1.100
- C. 11.0.1.254
- D. 11.0.1.255

Correct Answer: C

229. The following commands output is displayed on an STP port on a switch. Which of the following statements is false?

<Huawei>display stp interface GigabitEthernet 0/0/1

-----[CIST Global Info][Mode STP]-----

CIST Bridge :32768.4c1f-cc93-3356

Config Times :Hello 4s MaxAge 20s FwDly 15s MaxHop 20 Active

Times :Hello 2s MaxAge 20s FwDly 15s MaxHop 20 CIST

Root/ERPC :0.4c1f-cc7f-3216 / 0

CIST RegRoot/IRPC :32768.4c1f-cc93-3356 / 0The interval at which the port sends configuration BPDUs is 2 seconds

- A. The Max Age timer for configuration BPDUs is set to 20 seconds
- B. The Forward Delay timer is set to 20 seconds
- C. The switch is not a root bridge

Correct Answer: C

230. The following Shows the Eth-trunk information on a switch. Which of the following commands can be used to delete Eth-trunk 1?

[SW1]display interface Eth-Trunk 1 Eth-

Trunk1 current state : UP

Line protocol current state : UP

IP Sending Frames' Format is PKTFMT_ETHNT_2, Hardware address is 4c1f-cc5c-37f5 Input

bandwidth utilization :0%

Output bandwidth utilization : 0%

PortName	Status	Weight

GigabitEthernet0/0/1	UP	1

GigabitEthernet0/0/2	UP	1

The Number of Ports in Trunk : 2 The

Number of UP Ports in Trunk : 2

A. inte

GigabitEthernet

0/0/1 undo eth-

trunk quit

inte GigabitEthernet 0/0/2

undo eth-trunk quit

undo interface Eth-trunk-1

B. undo interface Eth-trunk-1

C. undo interface Eth-trunk-1|inte

gigabitEthernet 0/0/1 undo Eth-trunk

quit

undo interface Eth-trunk-1

D. inte

gigabitEthernet

0/0/2 undo Eth-

trunk quit

undo interface Eth-trunk-1

Correct Answer: A

231. The MAC address table of a switch is as follows. The switch receives a data frame whose Source Mac address is 5489-989d-1d30 and destination MAC address is 5489-9811-0b49. Which of the following statement is true?

[Huawei]display mac-address

MAC address table of slot 0:

MAC Address VLAN/ VSI/SI	PEVLAN Port	CEVLAN Port	Type	LSP/LSR- ID
5489-9885-18a8	1	-	-	blackhole
5489-9811-0b49	1	-	Eth0/0/3	static
5489-989d-1d30	1	-	Eth0/0/1	dynamic

Total matching items on slot 0 displayed = 1

- A. if the data frame is received from Eth0/0/1, the switch forwards the data frame through Eth0/0/3.
- B. if the data frame is received from Eth0/0/3, the switch discards the data frame.
- C. if the data frame is received from Eth0/0/1, the switch floods the data frame.
- D. if the data frame is received from Eth0/0/3, the switch disables Eth0/0/3.

Correct Answer: A

232. The Network administrator creates VLAN 10 and assigns an IP address to VLANIF10. When using the command "display IP Interface brief", the administrator finds that VLANIF10 is down. What should be done to enable VLANIF10?

- A. use the command "undo shutdown" under the interface view for VLAN10
- B. assign a physical interface that has either an active or inactive physical state to VLAN10
- C. assign only a physical interface that has an active physical state to VLAN 10
- D. add an interface that has an active physical state and a trunk port associated with VLAN 10

Correct Answer: C

233. The Output of the "display vlan" command o SWA is as follows. Which of the following interface can forward data packets with VLAN ID 40 untagged mode?

```
[Huawei]display vlan
The total number of vlans is : 5
```

```
-----
U: Up;                D: Down;   TG: Tagged;  UT:
                               Untagged;
-----
```

```
VID Type                Ports
-----
10 common UT:GE0/0/1(U)  GE0/0/2(U)
20 common TG:GE0/0/1(U)  GE0/0/5(U)
30 common TG:GE0/0/1(U)
40 common UT:GE0/0/5(U)GE0/0/2
```

- A. GE0/0/3
- B. GE0/0/4
- C. GE0/0/5

Correct Answer: D

```
234. user-interface
con 0 user-
privilege level 15
authentication-
mode password
set authentication password cipher huawei2012
```

Which of the following information is false about preceding configuration?

- A. The Administrator wants to log in to the device and manage through console port
- B. After the configuration is completed, the administrator cannot remotely login to the device to manage the device
- C. the user who log into the device through the console port has the highest level of user rights
- D. The password for logging into the device through the console port is "cipher huawei2012"

Correct Answer: D

235. Which of the following statements is false about a gratuitous ARP packet?

- A. Gratuitous ARP packet are used to check for Duplicate IP addresses. Normally, a Host does not receive an ARP reply packet after sending an ARP request packet with destination address of its own IP address. If the Host receives an ARP reply packet, Another
- B. Gratuitous ARP are used to advertise a new MAC address. If MAC address of a host changes because its network adapter is replaced, the host send a gratuitous ARP packet to notify all hosts of the change before the ARP entry ages out.
- C. Gratuitous ARP packet are used to activate gateways when a host is idle
- D. Gratuitous ARP packets are used to notify the active/standby switchover of router in a VRRP group.

Correct Answer: C

236. Which username and password will be used by the peer router to perform PPP link authentication?

```
aaa
local-user test password cipher test
local-user test service-type ppp local-
user test1 password cipher test1 local-
user test1 service-type telnet local-user
test2 password cipher test2
#
interface
Serial1/0/0 link-
protocol ppp
ppp authentication-mode chap
ip address 10.0.12.1 255.255.255.0
```

- A. user
name:te
st Password:
test
- B. user
name:test1
Password:
test1
- C. user
name:test2
Password:
test2
- D. user
name:test2
Password:
test

Correct Answer: A

237. An ACL rule is as follows. Which of the following IP address can be matched by the permit rule? rule 5 permit ip source 10.1.1.0 255.0.254.255?
- A. 9.1.1.1
 - B. 8.2.2.1
 - C. 7.1.2.1
 - D. 6.1.3.1

Correct Answer: AD

238. An AR2200 router is required to be configured from scratch. Which step are needed to achieve this?
- A. Reset the saved configuration
 - B. Clear the current configuration
 - C. Reboot the AR2200
 - D. Assign the configuration file to be used at next startup

Correct Answer: AC

239. As Shown in figure, all switches run STP. When a topology is table, Power off SWA. Which of the following statements are true?
- A. SWC immediately sends a TC-BPDU through G0/0/1
 - B. SWC send configuration BPDU through G0/0/1 after the max age timer expires.
 - C. SWB periodically sends Configuration BPDUs through G0/0/1
 - D. SWC and SWB immediately re-elect the root bridge

Correct Answer: BC

240. Huawei VRP platform which of the following can be used to invoke the history commands saved by the command line interface?
- A. Upper cursor key
 - B. Left cursor key
 - C. Ctrl+P
 - D. Ctrl+U

Correct Answer: AC

241. On Huawei AR G3 Series routers, which authentication modes does AAA support
- A. None
 - B. Local
 - C. Radius
 - D. 802.1X

Correct Answer: ABC

242. On the network shown in the following figure, Router A functions as a DHCPv6 relay agent, and Router B functions as DHCPv6 server. Which of the following parameter must be configured on Router B?
- A. DHCPv6 DUID
 - B. IPv6 address of the DHCPv6 relay agent
 - C. DHCPv6 address pool
 - D. RA on G0/0/1 of Router B

Correct Answer: ACD

243. One of the reasons that segments routing (SR) is introduced is that traditional LDP has some restrictions. Which of the following statements about LDP restrictions are true?
- A. LDP does not support automatic label allocation.
 - B. LDP supports path computation only based on IGP SPF (minimum cost), not based on traffic engineering.
 - C. LDP path computation depends on an IGP. If the IGP and LDP are not synchronized, black holes are generated, affecting services.
 - D. LDP has 11 types of protocol packets, which greatly increases link bandwidth consumption and device CPU usage.

Correct Answer: BCD

244. Segment routing (SR) can be used to define an explicit path. Nodes on a network only need to maintain SR information to deal with the real time and rapid development of services. What are the characteristics or SR?
- A. SR supports smooth evolution of the existing network by extending protocol (such as IGPs)
 - B. SR supports both the controller's centralized control mode and forwarders distributed control mode, providing a balance between the two modes
 - C. SR uses the source routing technology to support fast interaction between the network layer and upper-layer applications
 - D. SR uses IP forwarding, and router do not need to maintain another label forwarding table

Correct Answer: ABC

245. The PPPoE session establishment process can be divided into which stage?
- A. Discovery stage
 - B. DHCP stage
 - C. PPPoE Session stage
 - D. PPP connecting stage

Correct Answer: AC

246. What are the advantages of the PPP protocol?
- A. PPP supports both synchronous transmission and asynchronous transmission
 - B. PPP support negotiation of link layer parameters
 - C. PPP support negotiation of network layer parameters
 - D. PPP support authentication

Correct Answer: ABCD

247. What are the advantages of using DHCP to allocate IP addresses?
- A. DHCP provides heavy workload and is difficult to manage
 - B. DHCP can prevent IP address conflicts
 - C. IP addresses can be reused
 - D. If the configuration information changes, for example the DNS server address changes, the administrator only needs to modify the configuration information on the DHCP server, facilitating unified management

Correct Answer: BCD

248. What are the functions of the DR and BDR in OSPF?
- A. Reduce the time taken for establishing the OSPF adjacency relationship
 - B. Reduce the number of OSPF Neighbors
 - C. Reduce the number of times link state information is exchanged
 - D. Reduce the types of OSPF packets

Correct Answer: AC

249. What packet types are included in DHCP?
- A. DHCP Discover packet
 - B. DHCP offer packet
 - C. DHCP Request packet
 - D. DHCP Rollover packet

Correct Answer: ABC

250. When configuring the PPP authentication method as PAP, which of the following operations are necessary
- A. Add the user name and password of the authenticator party to the local user list.
 - B. Configure the encapsulation type of the interface connected of the peer as PPP
 - C. Configure PPP authentication method as CHAP
 - D. On the authenticated end, configure the user name and password that are sent to authenticator

Correct Answer: ABD

251. Which of the following address types are of IPv6 addresses?

- A. Unicast address
- B. Anycast address
- C. Multicast address
- D. Broadcast address

Correct Answer: ABC

252. Which of the following are necessary to configure OSPF on a Huawei Router?

- A. Configuration of a router ID
- B. Enabling of an OSPF process
- C. Specifying an OSPF area
- D. Configuration of the network segments within each area

Correct Answer: BCD

253. Which of the Following are the features of the default VLAN setting in a switch Configuration?

- A. The default VLAN cannot be deleted manually
- B. By default, all ports on a switch are member of a default VLAN
- C. A default VLAN must be created before a port is allocated to VLAN
- D. The IP address configured for a switch is applied only to a member port in the default VLAN

Correct Answer: AB

254. Which of the following bits are used in the Flag field in the RSTP configuration BPDU but not used in the Flag field in the STP?

- A. TCA
- B. TC
- C. Proposal
- D. Agreement

Correct Answer: CD

255. Which of the following commands line views exist on the Versatile Routing Platform?

- A. User view
- B. System view
- C. Protocol view
- D. Interface view

Correct Answer: ABCD

256. Which of the following content can an advanced ACL on a Huawei device filter?
- A. Network traffic sent from specific source addresses
 - B. Traffic of specific applications, such as QQ
 - C. Network traffic sent to specific destination addresses
 - D. Network traffic that passes through the special port number

Correct Answer: ABC

257. Which of the following field exists in both IPv6 and IPv4 packet headers?
- A. Source Address
 - B. Destination Address
 - C. Version
 - D. Next Header

Correct Answer: ABC

258. Which of the following field is/are contained in an IPv6 packet header?
- A. Version
 - B. Traffic Class
 - C. Next Header
 - D. TOS

Correct Answer: ABC

259. Which of the following information must be configured for a DHCPv6 relay agent?
- A. DHCPv6 DUID
 - B. IPv6 address of the DHCPv6 server
 - C. DHCPv6 address pool
 - D. DNS server address

Correct Answer: AB

260. Which of the following IPv6 addresses can be obtained by the host if the DHCPv6 address pool is configured as follows?
- A. 2019::2
 - B. 2019::4
 - C. 2019::6
 - D. 2019::8

Correct Answer: ABC

261. Which of the following IPv6 addresses corresponds to the solicited -node multicast address of FF02::1:FFAB:FECA?

- A. 2020::FFAB:FECA
- B. 2020::EEAB:FECA
- C. 2020::FFBA:FECA
- D. 2020::FFBA:FECA

Correct Answer: AB

262. Which of the following IPv6 addresses is /are permanent multicast address(es)? A. FF02::1

- B. FF02::2
- C. FF12::1
- D. FF12::2

Correct Answer: AB

263. Which of the following IPv6 addresses is/are multicast address(es) within the link range A. FF02::1

- B. FF02::2
- C. FF12::1
- D. FF12::2

Correct Answer: AB

264. Which of the following layers are not included in the TCP/IPv4 model?

- A. Application layer
- B. Session layer
- C. Presentation layer
- D. Network layer

Correct Answer: BC

265. 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

Correct Answer: AB

266. Which of the following modes can be used to generate a DUID for a DHCPv6 device?
- A. Link -Layer address (LL)
 - B. Link -Layer address plus time (LLT)
 - C. Link -Layer address plus host name (LLN)
 - D. Link -Layer address plus operating system (LLOS)

Correct Answer: AB

267. Which of the following must be consistent at both ends of an OSPF adjacency relationship to be established?
- A. Router Priority
 - B. Router Dead Interval
 - C. Router ID
 - D. Area ID

Correct Answer: BD

268. Which of the following network parameters can be allocated using DHCP?
- A. IP address
 - B. Gateway address
 - C. Address of the DNS server
 - D. Operating system

Correct Answer: ABC

269. Which of the following network types does OSPF support?
- A. Point- to- point
 - B. Broadcast
 - C. Non- Broadcast Multi - Access
 - D. Point -to- Multipoint

Correct Answer: ABCD

270. Which of the following packet types are DHCPv6 packet types?
- A. Solicit
 - B. Advertise
 - C. Discover
 - D. Offer

Correct Answer: AB

271. Which of the following packets are OSPF packets?

- A. Hello
- B. LSR
- C. LSU
- D. LSA

Correct Answer: ABC

272. Which of the following packets are used by the DHCPv6 client and DHCPv6 server to determine whether the client uses DHCPv6 stateful autoconfiguration or DHCPv6 stateless autoconfiguration?

- A. RS
- B. RA
- C. NS
- D. NA

Correct Answer: AB

273. Which of the following parameters can be allocated to clients in DHCPv6 stateful autoconfiguration?

- A. IPv6 Address
- B. DNS Address
- C. PD prefix
- D. MAC address

Correct Answer: ABC

274. Which of the following port states are included in Rapid Spanning Tree Protocol (RSTP)?

- A. Forwarding
- B. Learning
- C. Discarding
- D. Listening

Correct Answer: ABC

275. Which of the following routing protocol preference can be modified?

- A. Direct routing
- B. OSPF
- C. RIP
- D. Static routing

*Correct Answer:
BCD*

276. Which of the following routing protocols are dynamic routing protocols?
- A. Static Routing
 - B. Direct Routing
 - C. OSPF
 - D. BGP

Correct Answer: CD

277. Which of the following statement about gratuitous ARP packet are true?
- A. A system can determine whether conflicting IP addresses are used by sending a gratuitous ARP packet
 - B. A gratuitous ARP packet uses the same format as an ARP request packet
 - C. A gratuitous ARP packet can help to update an IP address
 - D. A gratuitous ARP packet uses the same format as an ARP reply packet

Correct Answer: AB

278. Which of the following statement about IPv6 anycast addresses are true?
- A. Packet destined for an anycast address are sent to the nearest interface identified based on routing distance
 - B. Anycast and Unicast address space use the same address space
 - C. IPv6 anycast addresses provide redundancy functions of services
 - D. IPv6 anycast address implement load balancing for services

Correct Answer: ABC

279. Which of the Following statement about the "ip route-static 10.0.2.2 255.255.255.255 10.0.12.2 preference 20" command are true?
- A. This route can guide forwarding of the data packet with the destination IP address 10.0.2.2
 - B. This route can guide forwarding of the data packet with the destination IP address 10.0.12.2
 - C. The next-hop IP address of the route is 10.0.12.2
 - D. The preference of the route is 20

Correct Answer: ACD

280. Which of the following statement are true about the OSPF neighbor status?
- A. The master/slave relationship of OSPF is formed in the ExStart state
 - B. The sequence number of DD packet is determined in the Exchange state
 - C. In the Exchange state, routers send DD packets that briefly describe link state information to each other to describe the content of the local link state database (LSDB)
 - D. After LSDB synchronization is completed, the route state changes to full

Correct Answer: ACD

281. Which of the following statements about the link aggregation are true?

- A. Eth-Trunk interface cannot be nested
- B. GE electrical interface and GE optical interface cannot be added to the same Eth-Trunk interface
- C. GE interface and FE interfaces cannot be added to the same Eth-Trunk interface
- D. Devices at both ends of an Eth-trunk must use the same link-aggregation mode.

Correct Answer: ABCD

282. Which of the following statements are true about ICMP messages?

- A. ICMP message can record time, including the Original time, packet receiving time, and packet sending time
- B. ICMP message are encapsulated in IP packet but not at the transport layer
- C. ICMP message include error message, control message, request/response messages, and update messages.
- D. ICMP does not support redirection

Correct Answer: ABC

283. Which of the following statements are true about PPP?

- A. PPP support both synchronous and asynchronous links at the physical layer
- B. The scalability of PPP is low, so PPP cannot be deployed on Ethernet links
- C. PPP supports various network layer protocols, such as IPCP and IPXCP
- D. In PPP, multiple physical links can be bound to one logical link to increase bandwidth

Correct Answer: AC

284. Which of the following statements are true about STP BPDUs?

- A. STP has two types of packets: configuration BPDU and TCN BPDU
- B. After STP is enable on a port, the switch periodically sends TCN BPDUs through the designated port
- C. BPDUs are encapsulated in Ethernet frames and the destination MAC address is a multicast MAC address
- D. During initialization, each switch enabled with STP proactively sends configuration BPDUs.

Correct Answer: ABD

285. Which of the following statements are true about the default route?

- A. If the destination address of a packet does not match any entry in the routing table, the packet is forwarded through the default route
- B. In a routing table, the route to 0.0.0.0 (with the mask being 0.0.0.0) is the default route
- C. The routing table of any router must contain the default route
- D. The default route can only be manually configured by the administrator

Correct Answer: ABD

286. Which of the following statements are true about the dynamic MAC address table?
- A. After a device is reset, an interfaces card is hot swapped, or an interface card is reset, the saved entries on the device or interface card are not lost.
 - B. Dynamic MAC address entries are obtained by learning the source MAC addresses of packets received by an interface, and can be aged out.
 - C. After a device is reset, an interface card is hot swapped or an interface card is reset dynamic MAC address entries on the device or interface card are lost.
 - D. You can obtain the number of users communicating on an interface by checking the number of specified dynamic address MAC address entries.

Correct Answer: BCD

287. Which of the following statements are true about the static MAC address table?
- A. After a device is reset an interface card is hot swapped or an interface card is reset, the saved entries on the device or interface card are not lost
 - B. After an interface is statically bound to a MAC address, other interface discarded a packet whose source MAC address is the bound MAC address
 - C. Each static MAC address entry can be bound only to one outbound interface
 - D. You can check whether data is forwarded between two connected devices by checking the static MAC address entries

Correct Answer: AB

288. Which of the following statements is true about direct routes?
- A. The priority of the direct route is lower than that of the dynamic route
 - B. The priority of the direct route is lower than that of the static route
 - C. The administrator needs to manually configure the destination network and next-hop address for the direct route
 - D. The direct route has the highest priority

Correct Answer: AD

289. 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 on 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

Correct Answer: BD

290. Which of the following types of routes can be used by a router to establish a routing table?
- A. Direct Route
 - B. Dynamic Route
 - C. Static Route
 - D. Aggregated Route

Correct Answer: AC

291. With what kind of routers does a DR other route exchange link state information and route information
- A. DR
 - B. BDR
 - C. DR other
 - D. All OSPF neighbors

Correct Answer: AB

292. Based on the following configurations of the interface, from which of the following multicast address can the interface receive data?

```
[Huawei] display ipv6 interface GigabitEthernet 0/0/0
GigabitEthernet 0/0/0 Current state : UP
IPv6 Protocol Current state : UP
IPv6 is enabled, Link local address is FE80::2E0:FCFF:FE6F:4F36 Global
Unicast Address(es)
2001::12:1, Subnet is 2001::/64
2001::12:1, Subnet is 2019::/64
Joined Grouped Address(es);
FF02::1:FF12:1
FF02::2
FF02::1
FF02::1:FF6F:4F36
MTU is 1500 bytes
```

- A. FF02::2
- B. FF02::1
- C. FF02::1:FF12:1
- D. FF02::1:FF6F:4F36

Correct Answer: ABCD

293. Refer to the configuration output, which of the following statements regarding the configuration output are correct?

```
[Huawei-GigabitEthernet0/0/1]port link-type access
[Huawei-GigabitEthernet0/0/1]port default vlan 10 [Huawei-
GigabitEthernet0/0/2]port link-type trunk [Huawei-
GigabitEthernet0/0/2]port trunk allow-pass vlan 10
```

- A. The PVID on interface GigabitEthernet0/0/1 is 10
- B. The PVID on interface GigabitEthernet0/0/1 is 1
- C. The PVID on interface GigabitEthernet0/0/2 is 10
- D. The PVID on interface GigabitEthernet0/0/2 is 1

Correct Answer: AD

294. The Output of the "display ospf peer" command on a router is as follows. Which of the following statements are true?

```
[Huawei]display ospf peer
OSPF Process 1 with Router ID 10.0.2.2
Neighbors
Area 0.0.0.0 interface 10.0.12.2(GigabitEthernet0/0/0)'s
neighbors Router ID: 10.0.1.1 Address: 10.0.12.1
State: Full Mode:Nbr is Master Priority: 1 DR:
10.0.12.2 BDR: 10.0.12.1 MTU: 0
Dead timer due in 40 sec Retrans
timer interval: 5 Neighbor is up for
00:00:09 Authentication
Sequence: [ 0 ]
```

- A. The Router ID of the router is 10.0.2.2
- B. The Local Router is DR
- C. The Router ID of the router is 10.0.1.1
- D. The Interface address of the local router is 10.0.12.2

Correct Answer: ABD

295. The Routing table on R1 is as follows. Which of the following statement is true?

<Huawei>display ip routing-table

Route Flags: R - relay, D - download to fib

Routing Tables:

Public

Destinations : 7 Routes :

7

Destination/Mask Proto		Pre Cost	Flags NextHop	Interface
10.0.2.2/32 Static	60	0	D 10.0.12.2	Ethernet0/0/0
10.0.3.3/32 Static	60	0	D 10.0.2.2	Ethernet0/0/0
10.0.12.0/24 Direct	0	0	D 10.0.12.1	Ethernet0/0/0
10.0.12.1/32 Direct	0	0	D 127.0.0.1	Ethernet0/0/0

- A. The Next hope of route destined for 10.0.3.3/32 is not directly connected. As a result, the router does not forward data packets with the destination IP address 10.0.3.3
- B. The Router forwards data packets with the destination IP address 10.0.3.3 through Eth0/0/0
- C. The Router forwards data packets with the destination IP address 10.0.2.2 through Eth0/0/0
- D. The Router forwards data packets with the destination IP address 10.0.12.1 through Eth0/0/0

Correct Answer: BCD

296. Which of the Following statement about the configuration of the G0/0/1 interface on router A is/are true?

Acl number 3000

rule 5 deny 17

rule 10 deny 89

rule 15 deny 6

Interface GigabitEthernet 0/0/1

traffic-filter inbound acl 3000

- A. This interface can establish OSPF neighbor relationships with other routers
- B. This interface does not forward received FTP packets.
- C. This interface does not forward received SNMP packets.
- D. This interface does not forward ICMP packets.

Correct Answer: ABC

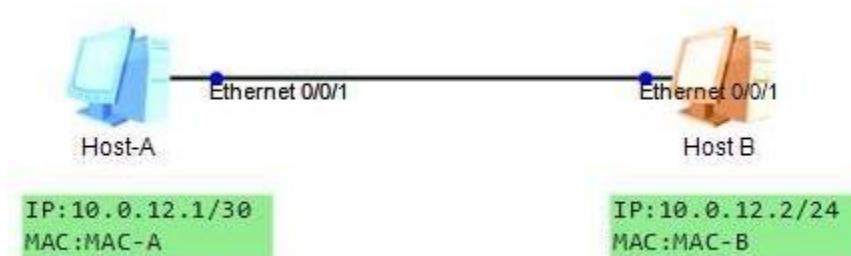
297. Which of the following statements are true according to the following configuration of a router?

```
Huawei]display ospfv3 interface GigabitEthernet 0/0/0
GigabitEthernet0/0/0 is up, line protocol is up Interface ID 0x3
Interface MTU 1500
IPv6 Prefixes
FE80::2E0:FCFF:FE59:3498 (Link-Local Address)
2004::1/64
OSPFv3 Process (1), Area 0.0.0.0, Instance ID 0
Router ID 10.0.4.4, Network Type BROADCAST, Cost: 1 Transmit
Delay is 1 sec, State Backup, Priority 1 Designated Router (ID)
10.0.2.2
Interface Address FE80::2E0:FCFF:FE59:3498
Backup Designated Router (ID) 10.0.1.1 Interface
Address FE80::2E0:FCFF:FEC6:4A10
Timer interval configured, Hello 10, Dead 40, Wait 40,
Retransmit 5 Hello due in 00:00:05
Neighbor Count is 3, Adjacent neighbor count is 2 Interface
Event 2, Lsa Count 4, Lsa Checksum 0xf258
Interface Physical BandwidthHigh 0, BandwidthLow 1000000000
```

- A. The interface has three neighbor relationships
- B. The interface has three adjacencies
- C. The Router ID of the local router is 10.0.4.4
- D. The Router ID of the DR is 10.0.2.2

Correct Answer: ACD

298. As shown in Figure, Host A and Host B cannot communicate with each other?



- A. TRUE
- B. FALSE

Correct Answer: B

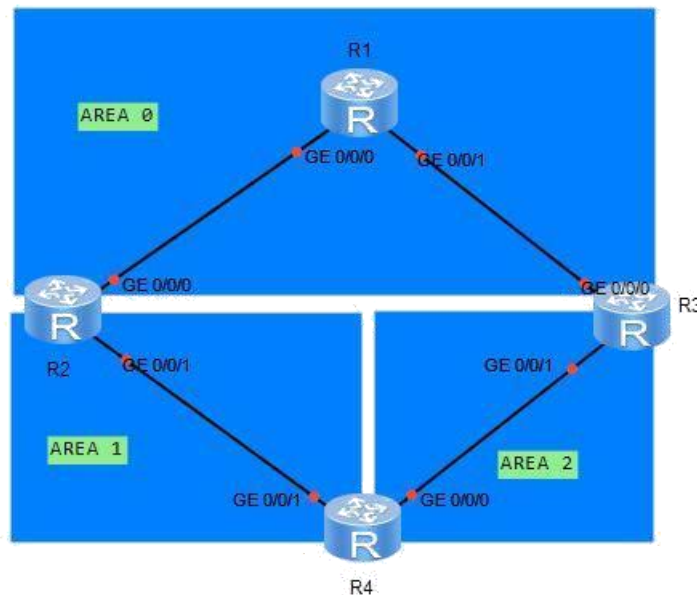
299. Which of the following statements are true according to the following configuration? <Router D>Display ospfv3 peer 10.0.3.3 verbose

```
OSPFv3 Process(1)
Neighbor 10.0.3.3 is 2-way, interface address
FE80:2E0:FCFF:FE48:4EC8 In the area 0.0.0.0 via interface GE0/0/0
DR priority is 1 DR is 10.0.2.2 BDR is 10.0.1.1 options
is 0x000013 (-|R|-||E|V6)
Dead timer due in 00:00:35
neighbour is up for 00:00:00
```

- A. The Local router is a DR Router
- B. The Router ID of DR is 10.0.2.2
- C. The Router ID of DR is 10.0.1.1
- D. The Local Router and the router Whose router ID is 10.0.3.3 cannot directly exchange link state information.

Correct Answer: BD

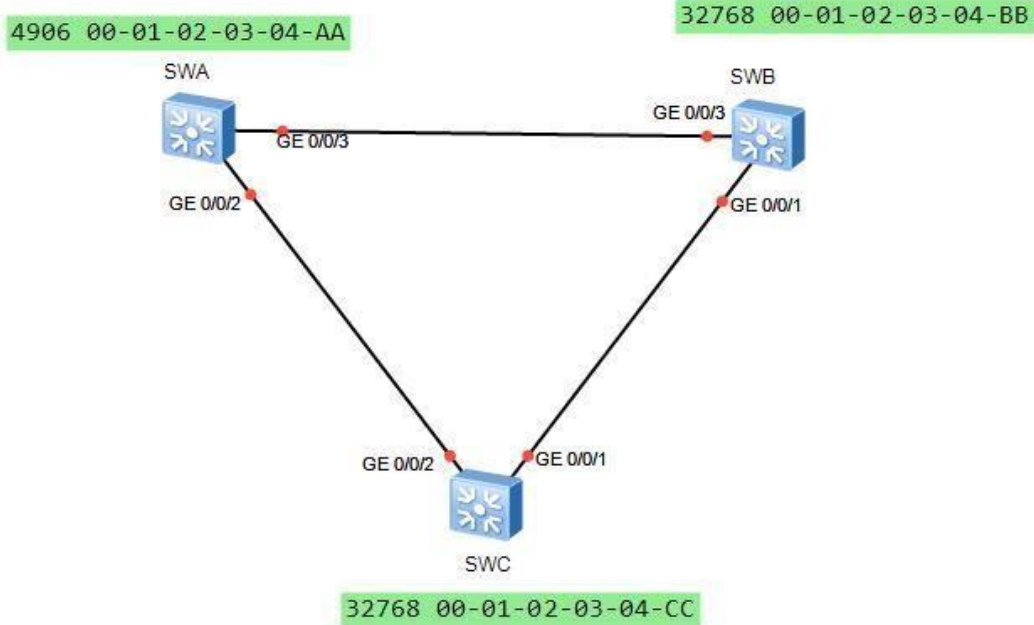
300. The Following Figure shows the network topology and OSPF area partition. Router R2, R3 and R4 are OSPF ABR's but R1 is Not.



- A. TRUE
- B. FALSE

Correct Answer: A

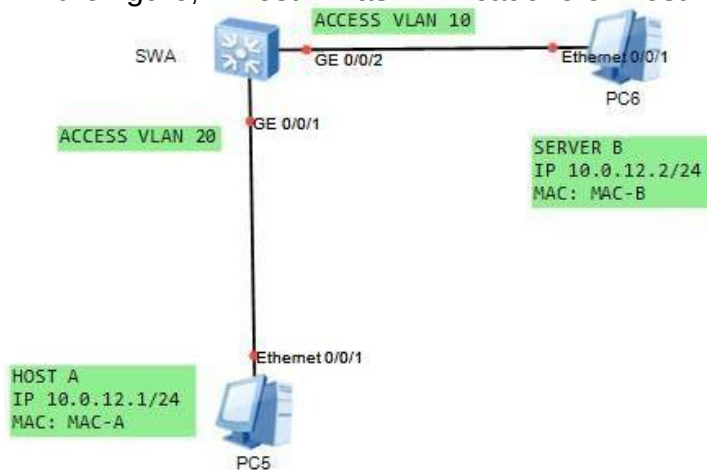
301. As shown in Figure, which of the following port will become the designated port?



- A. G0/0/3 of SWB
- B. G0/0/1 of SWC
- C. G0/0/2 of SWC
- D. G0/0/3 of SWA

Correct Answer: D

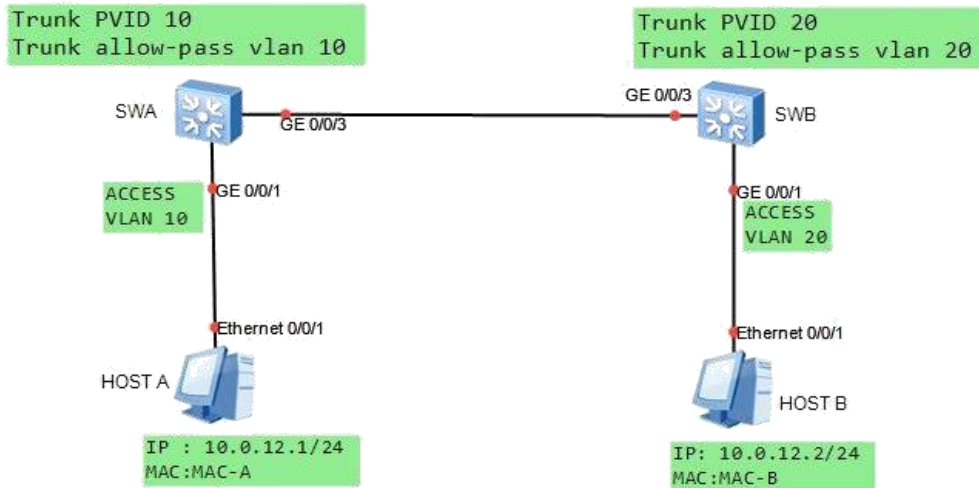
302. As Shown in the figure, if Host A has ARP cache of Host B, Host A can ping Host B?



- A. TRUE
- B. FALSE

Correct Answer: B

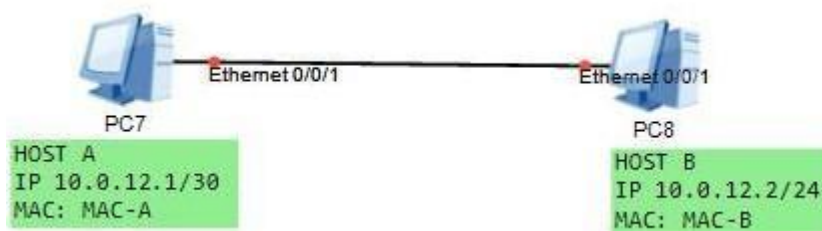
303. On the network shown in the figure, the ports connecting Switch A and switch B to hosts belongs to VLAN 10 and VLAN 20 respectively. The ports through which two switches are interconnected are trunk port, and the PVID of the ports are 10 and 20 respectively. which of the following statement are true?



- A. Host A and Host B belongs to different VLANs and cannot ping each other
- B. Host A and Host B can ping each other.
- C. When the data frames sent by the hosts are forwarded between switches, the frames are untagged
- D. ARP request from host A cannot be forwarded to host B

Correct Answer: BC

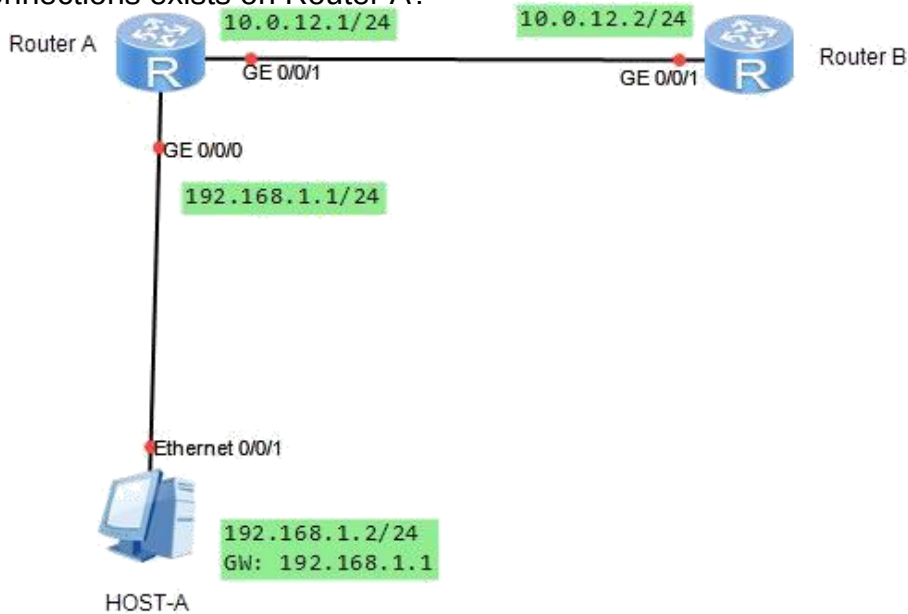
304. According to the figure, which of the following statements is true?



- A. The IP address mask of host A is different from that of host B, therefore Host A & B cannot communicate with each other
- B. Host A can successfully ping Host B
- C. The broadcast address of Host A and Host B are the same
- D. Host A and B can communicate with each other only when the IP address of Host A and Host B have same masks.

Correct Answer: B

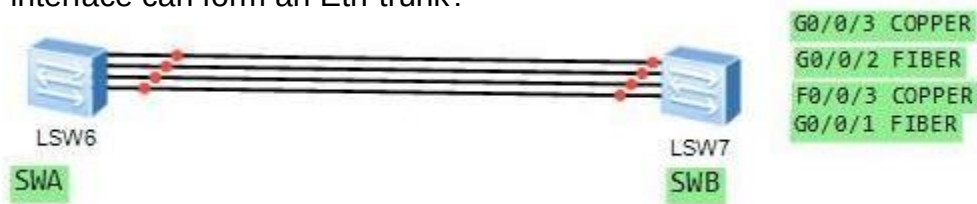
305. On the network shown in the figure, host A logs into router A through Telnet and obtains the configuration file of the Router B through FTP on the remote CLI. How many TCP connections exists on Router A?



1. 1
2. 2
3. 3
4. 4

Correct Answer: C

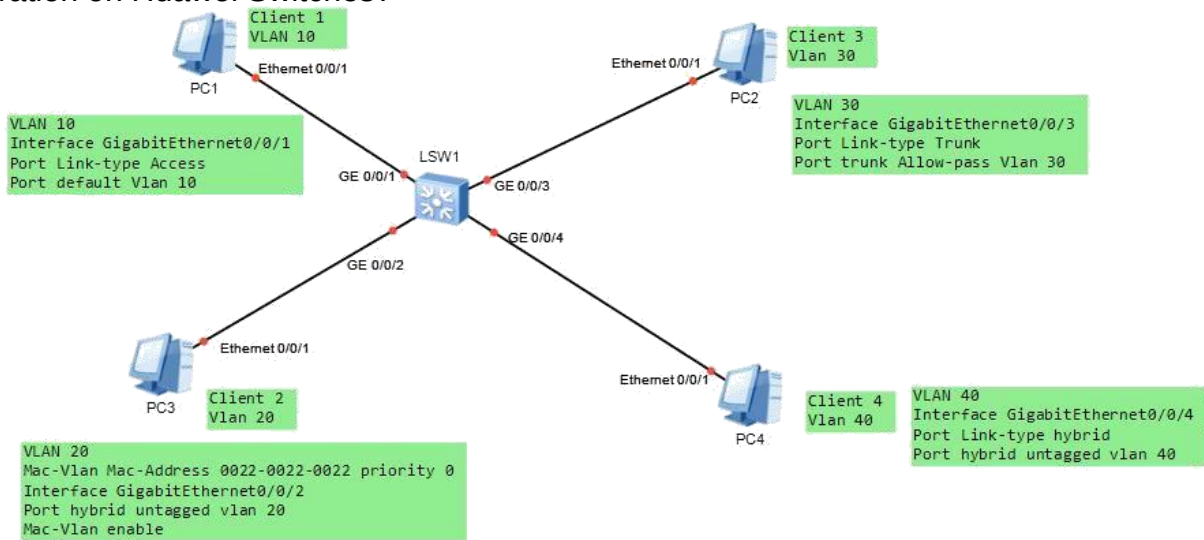
306. On the Network shown in the figure, two switches are connected through four links. COPPER indicates the electrical interface and Fiber indicates the optical interface. Which of the following interface can form an Eth-trunk?



- A. G0/0/3 and G0/0/2
- B. G0/0/3 and FE0/0/3
- C. G0/0/2 and FE0/0/3
- D. G0/0/2 and GE0/0/1

Correct Answer: D

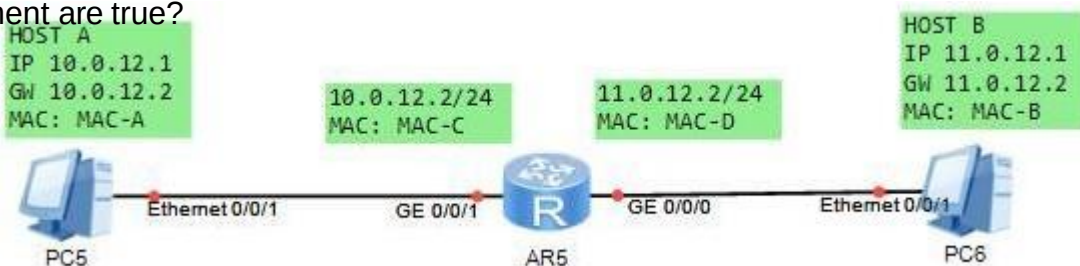
307. Refer to the graphic, which of the following statement are true about VLAN configuration on Huawei Switches?



- A. Client 1 belongs to VLAN 10 and the VLAN assignment command on LSW1 is correct
- B. Client 2 belongs to VLAN 20 and the MAC address based VLAN assignment command on LSW1 is correct
- C. Client 3 belongs to VLAN 30 and the VLAN assignment command on LSW1 is correct
- D. Client 4 belongs to VLAN 40 and the VLAN assignment command on LSW1 is correct

Correct Answer: ABD

308. On the network shown in figure, the host has ARP cache. Which of the following statement are true?



- A. A static route needs to configured on the router. Otherwise, Host A and Host B cannot communicate with each other
- B. Host A and B can communicate with each other
- C. The following ARP cache entry exist on HOST A
11.0.12.1 MAC-B
- D. The following ARP cache entry exist on HOST A
10.0.12.2 MAC-C

Correct Answer: BD

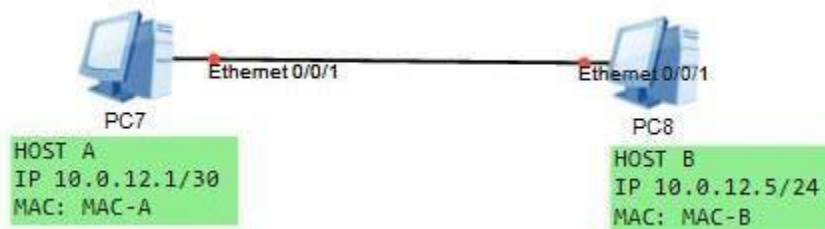
309. The LACP Priority is shown in the figure. Switch A and Switch B adopt link aggregation in LACP mode, all interfaces are added to link aggregation group (LAG), and the maximum number of active ports is set to 3. Which port of switch A is not an active port?



- A. G0/0/0
- B. G0/0/1
- C. G0/0/2
- D. G0/0/3

Correct Answer: D

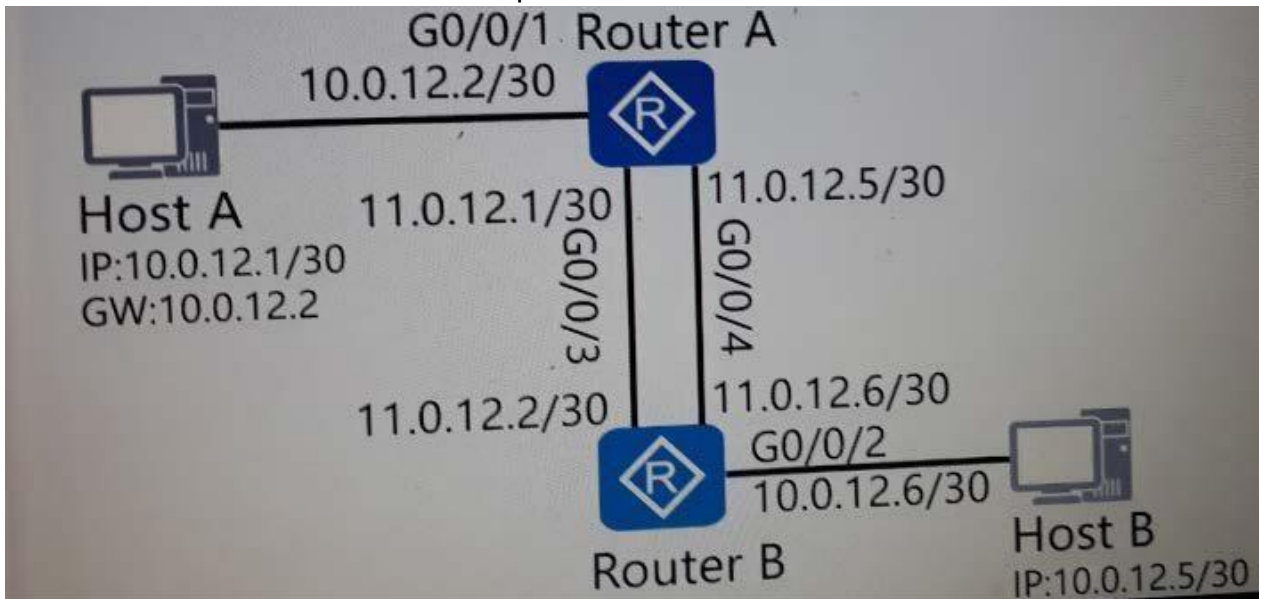
310. As Shown in the figure, host A and host B cannot communicate with each other?



- A. TRUE
- B. FALSE

Correct Answer: A

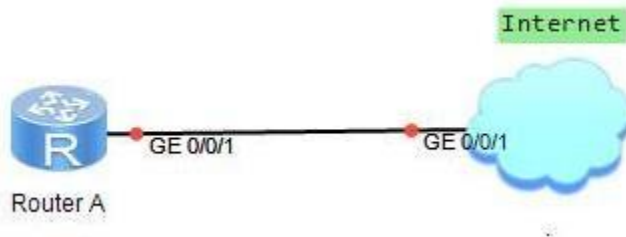
311. On the network shown in the figure, when planning traffic, the network administrator requires that the data packet sent from host A to host B pass through G0/0/3 on the router, and the packets sent from host B to host A pass through G0/0/4 on the router, which of the following command can be used to meet this requirement?



- A. Router A : ip route-static 10.0.12.5 255.255.255.252 11.0.12.2
Router B : ip route-static 10.0.12.1 255.255.255.252 11.0.12.5
- B. Router A : ip route-static 10.0.12.5 255.255.255.252 11.0.12.6
Router B : ip route-static 10.0.12.1 255.255.255.252 11.0.12.1
- C. Router A : ip route-static 0.0.0.0 0.0.0.0 11.0.12.2
Router B : ip route-static 0.0.0.0 0.0.0.0 11.0.12.5
- D. Router A : ip route-static 0.0.0.0 0.0.0.0 11.0.12.6
Router B : ip route-static 0.0.0.0 0.0.0.0 11.0.12.1

Correct Answer: A

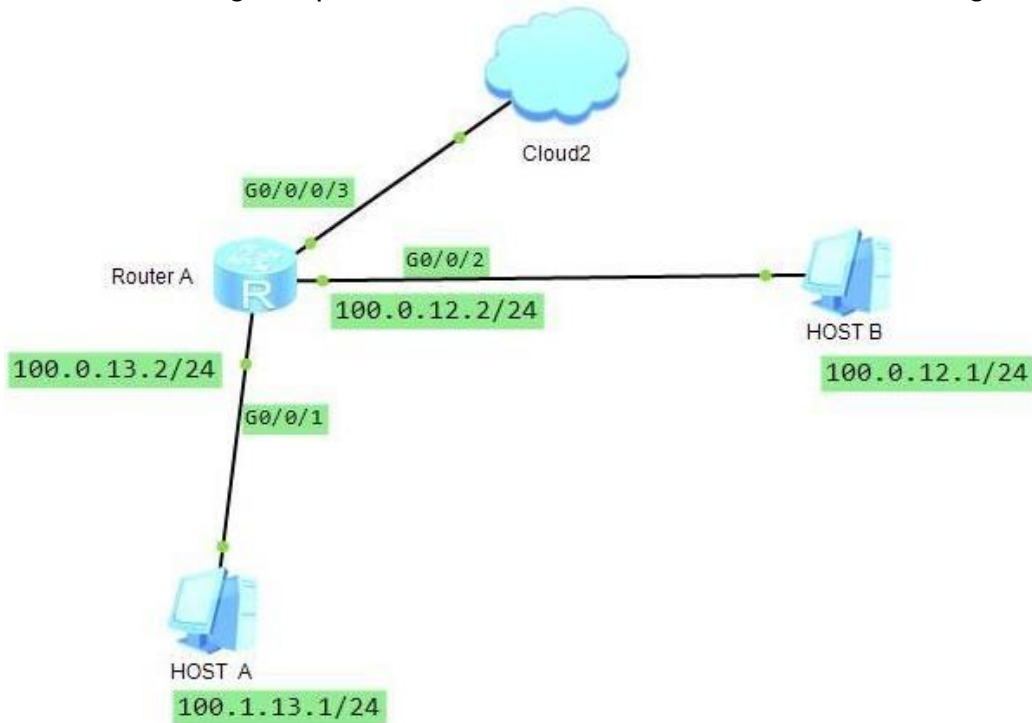
312. As shown in the figure, the administrator requires that all hosts cannot access the internet during 8:00 - 17:00 every day. In this case, which ACL rule needs to be bound to traffic-filter outbound in the interface configuration of G0/0/1?



- A. time-range am9topm5 08:00 to 17:00
daily #
acl number 2001
rule 5 deny time-range am9topm5 #
- B. time-range am9topm5 08:00 to 17:00
daily #
acl number 2002
rule 5 permit time-range am9topm5 #
- C. time-range am9topm5 08:00 to 17:00
Working-day #
acl number 2003
rule 5 deny time-range am9topm5 #
- D. time-range am9topm5 08:00 to 17:00
off-day #
acl number 2004
rule 5 permit time-range am9topm5 #

Correct Answer: A

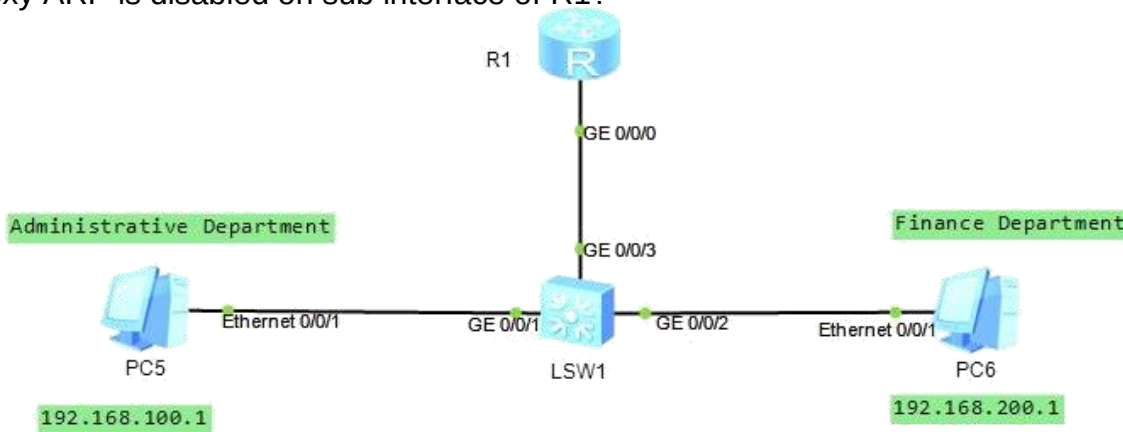
313. Which of the following can prevent host A and Host B from communicating with each other?



- A. acl number 2000
rule 5 deny source 100.0.12.0 0.0.0.255 #
interface G0/0/1 traffic-filter
outbound acl 2000
- B. acl number 2000
rule 5 deny source 100.0.12.0 0.0.0.255 #
interface G0/0/2 traffic-filter
inbound acl 2000
- C. acl number 2000
rule 5 deny source 100.0.12.0 0.0.0.255 #
interface G0/0/1 traffic-filter
inbound acl 2000
- D. acl number 2000
rule 5 deny source 100.0.12.0 0.0.0.255 #
interface G0/0/3 traffic-filter
inbound acl 2000

Correct Answer: AB

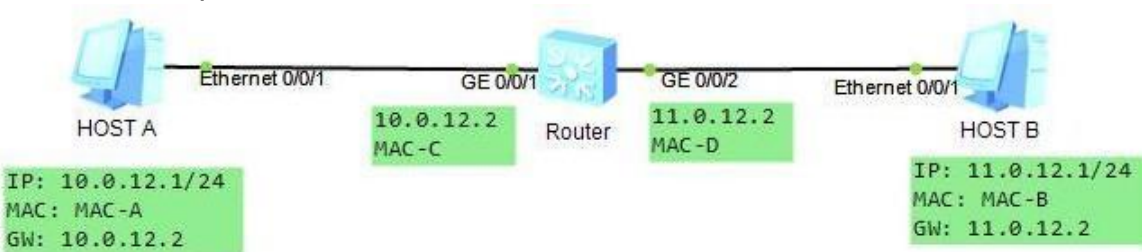
314. According to the configuration of the single-armed routing in the following figure, the administrator department and finance department can communicate with each other even if proxy ARP is disabled on sub interface of R1?



- A. True
- B. False

Correct Answer: B

315. As shown in the figure the host has ARP cache. Host A sends a data packet to host B. Which of the following are the destination MAC address and destination IP address of the data packet?

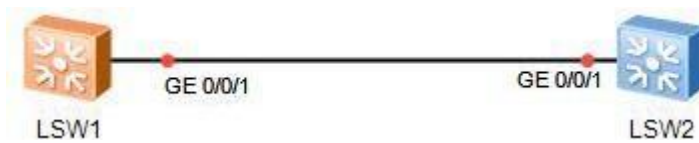


- A. MAC -A, 11.0.12.1
- B. MAC -B, 11.0.12.1
- C. MAC -C, 11.0.12.1
- D. MAC -C, 11.0.12.2

Correct Answer: D

316. According to the topology and configuration of the interconnected interface of switches shown in the figure, the data frame tagged with VLAN 10 can be forwarded correctly between two switches.

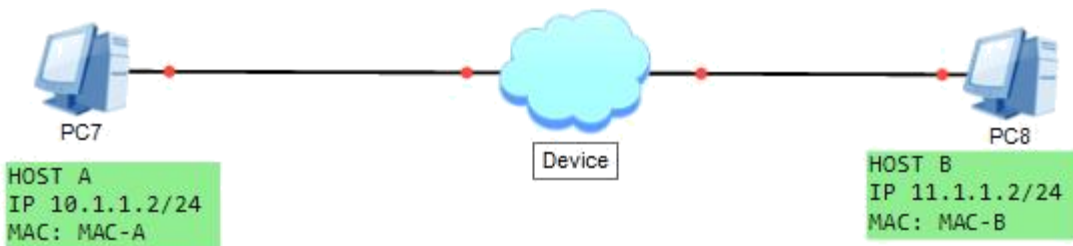
```
[LSW1]interface GigabitEthernet0/0/1 [LSW1-interface
GigabitEthernet0/0/1]port link-type trunk [LSW1-interface
GigabitEthernet0/0/1]port trunk pvid vlan 20 [LSW1-interface
GigabitEthernet0/0/1]port trunk allow-pass vlan 10 # [LSW2]interface
GigabitEthernet0/0/1 [LSW2-interface GigabitEthernet0/0/1]port link-
type trunk [LSW2-interface GigabitEthernet0/0/1]port trunk pvid vlan 10
[LSW2-interface GigabitEthernet0/0/1]port trunk allow-pass vlan 10 #
```



- A. TRUE
- B. FALSE

Correct Answer: B

317. As shown in the figure, which of the following network devices can be used to implement communication between host A and Host B?



- A. Hub
- B. layer 2 Switch
- C. Router
- D. Hub

Correct Answer:

318. As Shown in the following figure, the switch configuration information is as follows. Which of the following statement about the network and configuration is/are true?

Router A

```
aaa
local-user test
password cipher test
local-user test
service-type ppp

#

interf
ace
Serial
11/0/
0
link-
proto
col
ppp
ppp authentication-mode chap
ppp pap local-user test1 password
cipher test1 ip address 10.0.12.1
255.255.255.0

#
```

Router B

```
aaa
local-user test1
password cipher test1
local-user test1 service-
type ppp

#

interf
ace
Serial
11/0/
0
link-
proto
col
ppp
authentic
ation-
mode pap
ppp chap
user test
ppp chap password cipher test
ip address 10.0.12.12 255.255.255.0
```



- B. Router A uses the user name "test1" and password "test1" to pass the interface authentication of Router B
- C. The Authentication mode of the interface on Router B is PAP.
- D. Router B uses the user name "test1" and password "test1" to pass the interface authentication of Router A

Correct Answer: ABC

HCIE Dumps

AS100 and AS200 are enabled for multicast within their respective autonomous systems are independent setting BSR and RP the RP USES MSDP protocol interaction between SA information:

In order to prevent the BSR message across AS boundary the simplest way is to use ACL on ASL interconnection interface of BSR message filtering.

True

False (Right Answers)

Answer: B

RIPng released prefix FC00:200:: the prefix length of 32 bits aggregated routing information which of the following configuration is correct

[Huawei] interface gigabitEthernet 110/0 [Huawei-GigabitEthernet1/0/0] ripng summary-address

fc00:200::32 (Right Answers)

[Huawei] ripng 100 [Huawei-ripng-100] ripng summary-address fc00:200::32

[Huawei] interface gigabitEthernet 1/0/0 [Huawei-GigabitEthernet1/0/0] ripng

summary-address fc00:200::/32 output

[Huawei] ripng 100 [Huawei-ripng-100] ripng summary-address

fc00:200::132 interlace GigabitEthernet1/0/0

Answer: A

ISIS in the process of establishing P2P networks neighborhood relationship interactive Hello packets twice to complete neighbor establishing.

A. True (Right Answers)

False

Answer: A

A company from a carrier rented a 1Mbps CIR frame relay special line recent stability is not good frequent oscillation network administrators found in the configuration of router parameters forgot to configure CIR parameters. after fixing the problem the line will restore stability.

True

False (Right Answers)

Answer: B

You want to set the DSCP value of VoIP traffic in HW network device as EF. According to distinguish service model RFC flow mark EF should be set to:

DSCP is set as decimal 36

IP ToS is set as 0xEF All dumps are available. Contact on +923074748815

IP Experimental ECN

DSCP is set as decimal 5

E. Bit Stream 101110 (Right Answers)

Answer: E

Which of the following description about IBGP neighbor EBGP neighbor is true? (Multiple choice)

A. router will sent the BGP updates learning from its IBGP neighbor to their other IBGP neighbor and EBGP neighbor

B. router will sent the BGP updates learning from its EBGP neighbor to their other IBGP neighbor and EBGP neighbor (Right Answers)

IBGP neighbor must be directly connected. Otherwise IBGP-Multi-hop must be configured D. EBGP neighbor must be directly connected. Otherwise. EBGP-Multi-hop must

be configured (Right Answers)

E. IBGP neighbor can through Loopback Interface to establish neighbor relationship (Right Answers)

EBGP neighbor must through direct physical interface address to establish neighbor relationship

Answer: BDE

AS-path-filter using regular expression ¹[0-9]-1-\$ to represent all the AS_PATH attribute.

☐ True

☒ False (Right Answers)

Answer: B

In the whole HW IP multicast network running SSM

Which of the following understanding of SSM is true? (Multiple choice)

A. don't need the RP (Right Answers)

B. SSM only use the shared tree

C. SSM only use STP tree (Right Answers)

D. best suitable for 1 to many application (Right Answers)

E. SSM is recommended to use when having multiple sources and expect to minimize mroute state in the network

the most suitable for the application of many-to-many

Answer: ACD

9. A running OSPF router is connected to Area 0 and Area 1. You will configure area 1 to stub area which kind does LSA only in the Area 1 internal operate?

Class 7 LSA

Class 1 LSA and Class 2 LSA

Class 1 LSA Class 2 LSA and Class 5 LSA

Class 3 LSA and Class 4 LSA

Class 1 LSA. Class 2 LSA and Class 3 LSA (Right Answers)

Answer: E

When troubleshooting in a local area network you notice that there are a large number of frame alignment False. FCSFalse and Lag of frames. what is the possible reason to cause this problem?

switch and terminal by 10/100/1000Base-T Ethernet link connected and the working mode of the switch and terminal is half duplex

in most of the environment all have such False

Working mode on 10/100/1000Base-T Ethernet link don't match

Working mode on 10/100/1000Base-T Ethernet link don't match (Right Answers)

Answer: D

Which of the following description about BSR/RP mechanism is true? (Multiple choice)

- A. PIM-SM domain can have multiple C-BSR but can only elect a BSR **(Right Answers)**
- B. BSR through the received C-RP data packet to collect C-RP information **(Right Answers)**
- C. BSR by flooding Bootstrap packets advertised BSR information and C-RP information to all router in PIM-SM domain **(Right Answers)**
- D. a C-BSR also can collect C-RP information through received C-RP data packets

Answer: ABC

Here on the OSI reference model which description about the sixth layer functional is correct? A.

Providing a common data compression and encryption scheme **(Right Answers >**

B. Establishing maintaining and terminating communication sessions C.

Synchronous Communication

D. Determining the availability of resources

Answer : A

auto-negotiation mode is to obtain maximum interface rate and the operating mode the network administrator will set all Ethernet interface rate of a workgroup switch to 100Mbps operating mode configured to full-duplex. When a NIC is configured to auto-negotiation of the workstation is connected to the switch the outcome of consultations is that the interface rate is 100Mbps the operating mode is half-duplex.

For this phenomenon which of the following explanation is the most reasonable?

- At higher port speed and operating mode the workstation's network interface card can't be configured to auto-negotiation
- port rate negotiation consultations through the initial port to send FLP to negotiate work mode does not negotiated by FLP
- when STP in initialization will make the port enter the blocking state leading to auto-negotiation fails so the port should be configured to portfast
- does not configure auto-negotiation on the switch leading to the switch can't send the FLP information to the workstation thereby causing the workstation set its own operating mode to half-duplex **(Right Answers>**
- problem lies in the workstation's network card most due to the workstation NIC drivers too old leading to the interface on the workstation NIC learning rate and the operating mode switch configuration

Answer: B

Recently the company network often attacked by ARP in order to curb ARP attacks which of the following technique can we use? (Multiple choice)

DAI **(Right Answers >**

OHCP snooping **(Right Answers >**

uRPF

static MAC address binding

Port isolation **(Right Answers>**

Answer: ABE

The following description of ASM model and SSM model which is right? (Please select three correct answer)

in SSM model the receiver can know in advance the position of the multicast source **(Right Answers)**

in ASM model the receiver will not be able to know in advance the position of the multicast source

(Right Answers)

for the receiver SSM model is better than ASM model

ASM model and SSM model use IP multicast address range is different **(Right Answers)**

Answer: ABD

Which description about ISIS extension feature is true? (Multiple choice)

ISIS can choose whether verification to received SNP and LSP data packets . **(Right Answers >**

When the amount of information which ISIS will publish in link-state protocol data packet PDU is too large

ISIS router will generate multiple LSP fragment to carry more ISIS information. **(Right**

Answers >

After enabled router LSP fragment extension function don't need to restart ISIS process you can use this feature .

D. If there are other vendors equipment on the network and does not support the LSP fragment function

must configure the fragment extension mode to Mode-1 or the other vendor (s device can't

identify the message. **(Right Answers)**

Answer : ABD

Which of the following description about GVRP interface registration mode in Huawei switch is true?

GVRP interface registration mode have four types .

When selecting Normal registration mode allows the interface dynamic registration and logout VLAN.

Logout here include deleting dynamically learned VLAN and VLAN administrators created in the unit .

When selecting Forbidden registration mode the interface layer 2 working mode must be Hybrid.

When selecting Fixed registration mode interface can't spread dynamic VLAN. **(Right Answers)**

Answer : D

If there is a switch running STP and now the switch G0/0/17 interface and G0/0/18 interface are connected by a cable then on the scenario described below which is correct ?

G0/0/18 interface will enter the discarding state **(Right Answers >**

Both G0/0/17 interface and G0/0/18 interface will enter the forwarding state

G0/0/17 interface will enter the blocking state

Both G0/0/17 interface and G0/0/18 interface will enter the discarding state.

G0/0/18 interface will continue change back and forth in listening state and learning state

G0/0/17 interface will always remain in the learning state

Answer : A

To configure AAA you first need to define the RADIUS server RADIUS server defined manner as follows:

(Huawei] radius-server template EXAM

(Huawei-radius-EXAM) radius-server shared-key cipher HUAwei123

(Huawei-radius-EXAM) radius-server authentication 10.7.66.66 18 12

(Huawei-radius-EXAM) radius-server authorization 10.7.66.66 18 12

(Huawei-radius-EXAM) radius-server accounting 10.7.66.66 1813

(Huawei-radius-EXAM) radius-server

retransmit 2 **A True**

B. False (Right Answers >

Answer: B

All dumps are available. Contact on +923074748815

Router HW 1 exists as an MPLS LSR router in the network of the carrier HW. The router receives a tagged packet but the tag entry does not exist in its LFIB. So how does the router handle the message?

- A. Router HW1 forwards the packet using the default label
- B. Router HW 1 strips the label and looks for the FIB to use the IP destination address
- C. Router HW1 discards the packet **(Right Answers >**
- D. Router HW1 uses LDP to create an LSP and create a new path in LFIB for the label carried in the packet.

Answer : C

21. .HW company's network administrator assigned a private IP address for the company's internal network host and the use of many-to-one NAT strategy enables corporate Internet users to access the Internet. Shortly thereafter the company added a Web server within the network. What should the network administrator do to enable external users to access the Web server over the Internet?

- A. To use reverse keyword dynamic mapping technology
- B. Record the internal address of the server on the external NAT
- C. Configure a one-to-one static NAT entry for the Web server **(Right Answers)**
- D. When dynamic NAT is configured no additional operations are required since they are all automatic
- E. Place the server IP address in the NAT address pool

Answer : C

If there is a switch running RSTP then on the switch which interface will send BPDU carrying Proposal logo? A.

The designated port in the forwarding state

- B. The designated port in non-forwarding state **(Right Answers >**
- C. The root port in the Blocking state
- D. Alternate ports

Answer : B

What description about 802.1s deployment characteristics in the following is correct? A. multiple network bridge share a spanning tree instance

B. all VLAN sharing a spanning tree

instance C. each VLAN sharing a spanning tree instance

D. more than one VLAN sharing a spanning tree instance **(Right Answers**

Answer: D

In ISIS routers default type is Level-2.

A. True

False (Right Answers

Answer: B

25. . If the topology of the entire network has not changed but the router IP subnet allocation is changed then ISIS only use the routing information that is for PRC calculating the changes will not recalculate all SPT.

A. True (Right Answers)

B. False

All dumps are available. Contact on +923074748815

Answer: A

In HW multicast network the device needs to send a message SSM. So what is multicast address range that SSM receives?

232.0.0.0-232.0.0.255

233.0.0.0-233.255.255 .255

232.0.0.0-232.255 .255 .255 (Right Answers >

239.0.0.0-239.255.255 .255

Answer: C

Regular expressions can be used for Community-filter and AS-path-filter to define attribute types for route filtering.

True (Right Answers >

B. False

Answer: A

There are two gateway router providing the service of connecting to external networks for a host in LAN network What kind of technology should use on the two redundant router so that make them as the host's default gateway of the LAN network?

DHCP

B. RIP

C.OSPF

D.VRRP (Right Answers >

E.BOOTP

Answer: D

What do we usually call for the device in MPLS BGP VPN domain? (Multiple choice)

P (Right Answers)

CPE

PE (Right Answers >

User router

Answer: A, C

The host HW1 in the HW device network wants to join a video conference then what should the host do?

Unicast IGMPv2 membership report to the local network default router

In the local network sending IGMPv2 membership reports through multicast and in IGMPv2 membership report

the carried multicast address is what the expected multicast address (Right

Answers >

sends a unicast IGMPv2 membership reports to RP

In the local network send IGMPv2 membership reports through multicast the sending destination multicast

address of the IGMPv2 membership report is "all PIM routers" 224.0.0.2 multicast address

Answer: B

In the MPLS VPN network some devices maintain VPN routing information and the private information to ensure it can forward VPN packets These devices not only need to run routing protocol but also need to run the MP-

BGP and MPLS protocols What type are these devices?

A. CE

B. PE (Right Answers >

C . P

D. Host

Answer: C

How to deal with BPDUs by 802.1w and 802.1d?

802.1w bridge just forwards BPDUs received from the root bridge

802.1d bridge does not forward BPDUs

802.1d bridge just forwards BPDUs received from the root bridge **(Right Answers)**

802.1w bridge does not forward BPDUs

Answer: C

What are the differences between traffic regulation and traffic shaping? (Multiple Choice)

A. for traffic shaping the router will cache the excess packets until bandwidth is available again **(Right Answers)**
>

B. for traffic regulation can adjust the cache for more than CIR traffic area usage

C. for traffic shaping can adjust the cache for more than CIR traffic area usage **(Right Answers)** D.

using traffic regulation in the entrance direction in export direction using traffic regulation

E. traffic regulation using the token bucket algorithm traffic shaping the SPD algorithm

Answer: A, C

In TCP header information which control position will make the receiver reset the TCP connection?

A. SYN

B. ACK

C. CLR

D. RST **(Right Answers)** >

E. PSH

F. SYN

Answer: D

In the VLAN (802.1Q) data encapsulation the number of bytes of the priority field is six in total.

A. True

B. False **(Right Answers)** >

Answer: B

In BGP what is the common learning BGP routing method? (Multiple choice)

introduce direct route **(Right Answers)** >

B. introduce static routes **(Right Answers)** >

C. introduce other AS's BGP routers

D. receiving neighbor routes information **(Right Answers)** >

Answer: A, B, D

Which AS_PATH can Command IP as-path-filter 1 permit 12. 74 be matched to?

A. AS_PATH(321 122374)

B. AS_PATH (123 621 743 2374) **(Right Answers)**

C. AS_PATH (125 328 74 23)

D. AS_PATH(32 1274 23)

Answer: B

About the description of BGP reflector which is correct? (Multiple choice)

A. in the case of without routing reflector IBGP neighbor relations need to be fully connected. The introduction of routing reflector can lower demand on the Internet **(Right Answers)** >

B. routing reflector can notify all clients of the routers that it learns from one client. **(Right Answers)** > C. routing reflector can notify all client and non-client of the routers that it learns from one client

>

D. routing reflector can notify all client and non-client of the routers that it learns from IBGP neighbors

Answer: A, B, C

MPLS BGP VPN is L3 VPN technology and it is used to provide VPN solutions (PPVPN). What are the basic components of MPLS BGP VPN?

A CE and P

B. PE P and CE **(Right Answers >**

C.P and PE

D. SP

Answer: B

The interface Serial 0 of an existing router is in OSPF area 1 and the interface Serial 0 is set as the Silent interface. What effect does this setting have?

OSPF receives routing updates from its neighbors

B. OSPF establishes the available adjacency through this interface

C. OSPF does not add routes learned from this interface to the local routing table

D. OSPF does not establish any adjacency through this interface **(Right Answers>**

Answer: D

The following description about the pop-up on the penultimate jump which is correct? (Multiple choice) A PHP only for direct subnet or aggregate route

B. The penultimate hop pop-up can only be used in LOP

C. The penultimate jump pop-up only applies to the label stack where one or two labels are present

D. When using PHP the edge LSR may ask its upstream neighbor to perform the operation of the label pop-up

(Right Answers >

E. The last jump pop-up requires a special label to pass through the LOP which is also called an implicit tag

(Right Answers >

Answer: D, E

What is the correct order of using TCP port 443,179,137,110 and 23 protocols?

BGP, POP3, SNMP, TFTP, Telnet

LDAP, SNMP, TFTP, POP3, Telnet

HTIPS, SNMP, POP3, DNS, Telnet

Finger, DHCP Server, NetBios Name Server, POP3, Telnet

HTIPS, BGP, NetBios Name Server, POP3.Telnet **(Right Answers)**

Answer: E

43. . What benefits can the link bring after enabling WRED? (Multiple choice)

thoroughly to avoid congestion

Avoid TCP synchronization **(Right Answers)**

offer a minimum bandwidth guarantee

provide a certain amount of low latency

can avoid UDP taking up most of the bandwidth when congestion **(Right Answers >**

Answer: B, E

When VRP's ACL has a number of matching rule about the match order, which of the following statement is true?

By default , in accordance with the rule-id, from small to large to match . **(Right Answers >**

By default , according to the first match permit, then match deny order to match .

By default , in accordance with the principle of "depth first " match .

Only one match order can not be changed.

Answer: A

Using WRED can avoid congestion.

Which of the following scenarios can have a better effect on deploying WRED?

it is mainly UDP traffic in network.

it is mainly TCP traffic in network. **(Right Answers)**

deploy on low-bandwidth links.

deploy on the serial link.

WRED random packet loss, the effect has nothing to do with the scene.

Answer: B

Which of the following is access control method which is provided by the NAG? (Multiple choice)

802.1x authentication **(Right Answers)**

AAA authentication

MAC address authentication **(Right Answers)**

Web authentication **(Right Answers)**

Answer: A, C, D

Command ip as-path-filter as-path-filter-number {deny | permit} regular-expression is used to configure AS-path-filter . On this command, many clause may form as-path-filter sentence . So what is the relationship between multiple statements?

and relationship

or relationship

- C. routing sequential matching, after a route match to a clause, no longer matching downward **(Right Answers >**
routing sequential matching and routing must match all clauses

Answer: C

command:ip ip-prefix ip-prefix-name [index index-number) { permit | deny } ipv4-address mask-length [greater-e qual greater-e qual-value) [less-equal less-equal-value) is used to configure IP prefix-filter.

If a prefix list less-equal has been specified, but greater-e qual is not specified, then what is the range of prefix?

[0,less-equal-value]

[mask-length,less-equal-value) **(Right Answers >**

[less-equal-value,32]

No Limit

Answer: B

Which of the following description about Smart-link is correct? (Multiple choice)

Smart-link can be mixed used with STPbat the interface.

Smart-link supports loading balancing. **(Right Answers)**

Smart-link mainly includes the master port and the slave port two roles. **(Right Answers)**

Smart-link can't detect up and down link status

Answer: B, C

In multicast networks, what conditions will lead to forwarding the multicast traffic failure? (Multiple Choice)
the router doesn't have RPF routing **(Right Answers >**

there is no enabling PIM on the RPF interface **(Right Answers)**

upstream router will discard the received PIM Join message **(Right Answers)**

Multi-routers outlet network, this router is not DR

Answer: A, B, C

51. . Which of the following description about the Register messages of PIM-SM is correct ? (Multiple Choice)

Register messages are sent by the recipient router

Register messages can make RP learn the multicast source information **(Right Answers)**

Register messages are sent by source's DR **(Right Answers)**

Register message are sent to RP via unicast instead of multicast **(Right Answers)**

Answer: B, C, D

When the router builds its own routing table according to the routing entries which are learn from different routing protocols, which of the routing entries will be added to the routing table?

has a maximum preference value's routing entry

the routing table with low Router ID

route entry with largest next-hop address

the route entry which has the fastest routing process

unique routing entry **(Right Answers >**

Answer: E

Which of the following description about ISIS's GR is correct?

ISIS's GR characteristics are enabled by default.

ISIS GR has in total of four timers

ISIS GR notify events and maintain adjacencies via CSNP packets .

ISIS's GR defines the new TLV structure to support this feature . **(Right Answers)**

Answer: D

According to the previous description, which of the following options is correct? (Multiple Choice)

HW1 will inject Class 3 default route to area 1

HW 1 will inject Class 7 default route to area 1 **(Right Answers >**

HW1 will inject Class 7 default route to area 0

When HW 1 inject default route to area 1, HW 1 local router table needs to have a default route **(Right Answers)**

When HW1 inject default route to area 1, HW 1 local routing table cannot contain a default route

You are to complete a job that is to try to compress the length of the 1Pv6 address .

Existing 1Pv6 address is 2013:0000:130F:0000 :0000 :09C0:876A:130B, in order to enable the 1Pv6 address more concise, which kind of the following the 1Pv6 address can be compressed into?

2013:0:130F:0:0:09C0:876A:130B

2013::130F:9C0:876A:130B

2013:0:130F:0:0:9C0:876A:130B

213::13F::9C:876A:13B

2013:0:130F:9C0 :876A:130B **(Right Answers)**

Answer: E

56. Except the stateless address auto-configuration, 1Pv6 device may also obtain address, gateway, DNS and other information via DHCPv6.

☐ A True

☒ B. False **(Right Answers >**

Answer: B

The following description of about ISIS routing priority, which is correct?

ISIS database's Level-1 and Level-2 routing, the routing priority value is different.

ISIS default routing priority is 15. **(Right Answers >**

ISIS routing priority cannot be modified.

ISIS polymerization route priority is 10.

Answer: B

58. The following on ISIS LSP fragment extension description which is correct?

☒ A make ISIS router generate more LSP fragments to carry more ISIS information. **(Right Answers >**

B. ISIS fragment extension is also valid to the Hello packets .

☒ C . ISIS fragment extension is implemented by adding a virtual system, it can be extended up to 1000 virtual systems .

☐ D. The number of fragments that ISIS router can generate is up to 1024

Answer: A

Routers HW 1 and HW2 are IP multicast routers. These routers use (S,G) entry to forward the packet. Which is the correct description about the "S" on the forwarding entry of the following?
SSM address

Management a part of the multicast address

SDP/SAP address

Any Type A, Type B or Type C host address **(Right Answers)**

GLOP address

Answer: D

In HW MPLS network, which parameters are used to define a forwarding equivalence class? (Multiple choice)

IP prefix (Right Answers)

Layer 2 link (Right Answers)

BGP MED value

RSVP receive from CE request resource

Answer: A, B

What is the role of Command peer ignore?

Remove BGP neighbor

reserving Neighborhood configuration and maintain BGP neighbor relations, but cannot accept the router sent

by a neighbor.

C. reserving Neighborhood configuration and maintain BGP neighbor relations, but cannot notify routes to neighbors.

D. reserving Neighborhood configuration and interrupt the BGP neighbor relationship and clears all the related routing information **(Right Answers)**

Answer: D

You have two routers run BGP connected to different ISP. You want to affect the Internet into your network traffic ,but your company is prohibited to use BGP communities. The best way to achieve the aforementioned requirements?

the route(s cost adjustment

use MED

increase the router PreVal

reduce the route(s Local Preference

use AS-path additive **(Right Answers>**

use Metrics

Answer: E

What are the key component of NAC?

communication agent **(Right Answers>**

NAC equipment **(Right Answers >**

access terminal

policy server **(Right Answers >**

Answer: A, B, D

If you are a company's network engineer, you want to make the two routers across a firewall to form EBGP neighbor relationship. In your network, the firewall in the beginning has been allowing TCP sessions (the Internet connection firewall internal interface).

In order to enable the network to run correctly BGP, what kind of preparatory work needs to be done?

In the network, need to configure EBGP multi-hop **(Right Answers >**

just normal BGP neighbor,do not do any other operations on the router or firewall

firewall must open BGP protocol port

impossible to make BGP sessions to pass through the firewall

Answer: A

The switch uses IPSG technology to verify the source address of the IP packet. The calibration table that IPSG uses is obtained by monitoring the ARP analysis in the network.

True

Fales **(Right Answers)**

Answer: B All dumps are available. Contact on +923074748815

Which of the following option is true? (Multiple Choice)

- A. unicast and broadcast cannot effectively achieve data transmission between a source and a plurality of destination in the P2MP, but multicast technology enables B.

Multicast is used for "many" applications **(Right Answers >**

Because multicast create the connection based on TCP, so multicast technology ensures the data transmission is reliable

multicast technology can reduce redundant traffic , thus saving network bandwidth **(Right Answers >**

Answer: B, D

What is the role of the Hello message in PIM-SM? (Multiple Choice)

Be used to establish and maintain neighbor relationship **(Right Answers >**

Be used to advertise the information of BSR/RP

Be used to elect DR and BDR

Be used to negotiate the parameters between neighbors **(Right Answers >**

Answer: A, D

In the new deployed router HW configure WRED.

WRED can set different discard thresholds and packet loss probability aiming at different priority of packet. **(Right Answers)**

when the flow is more than the minimum threshold, WRED began to discard all inlet flow (tail drop)

through selective discard more TCP flow to avoid global synchronization **(Right Answers)**

low bandwidth traffic flow discards more easily than high bandwidth

Answer: A, C

When you troubleshoot error to a LAN which deployed Huawei device, you find that there are a large number of unicast frames unknown the source MAC address in LAN. What is the greatest harm to the switch caused by the large number of unknown unicast source MAC address?

Consume the available MAC address table entries in the system **(Right Answers >**

Increase power consumption

Occupy the memory of the cache frame

Occupy TCAM table entry

Consume available bandwidth

Answer: A

In a switched network, what's the reason for leading to rapid growth of the TAC set BPDU packet? (Multiple Choice)

For a switched network, it is normal to find the TAC set BPDU packet

Used an incorrect cable in the network **(Right Answers >**

Does not configure the edge port on the interface connected terminal in the network **(Right Answers >**

In this network, the root switch CPU utilization is too high, cannot send any BPDU packets

Answer: B

According to the current network and configuration information, after completing the configuration , what will happen? RTA £0

```
interface Ethernet 0/0
ip address 10.11 .11255.255.255.0
interface Ethernet0/1
ip address 30.11 .11255.255.255.0
ospf 100
area 0 .0.0.0
network 10.1.1.0 0.0 .0.255
network 30 .1.1.0 0 .0.0.255
```

RTB £0

```
interface EthernetO/O
ip address 10.1.1.2 255.255.255.0
interface Ethernet0/1
ip address 20.1.1.2 255.255.255.0
ospf 100
area 0.0.0.0
network 10.1.1.0 0 .0.0.255
ospf 200
area 0 .0.0.0
network 20 .1.1.0 0 .0.0.255
```

RTC £0

```
interface EthernetO/O
ip address 30.1.1.2 255.255.255.0
interface Ethernet0/1
ip address 20.11 .11255.255.255.0
ospf 200
area 0.0.0.0
network 20.1.1.0 0 .0 .0.255
network 30.1.1.0 0 .0.0.255
```



RTA and RTB cannot form a neighbor relationship

RTB and RTC cannot form a neighbor relationship

routing jitter will happen

neighbor relationship will be normally established and all segments up (Right Answers>

Answer: D

Which command is related with BGP route reflector? (Multiple Choice)

peer reflect-client (Right Answers >

reflect between-clients (Right Answers >

reflector cluster-id (Right Answers >

group 1 internal

Answer: A, B, C

In the data communication session of the two hosts ,which hierarchy of OSI model of the other end of the host communicates with the session layer of OSI model of the end of the host?

- communicate with the presentation layer of the other end
- communicate with the Physical layer of the other end
- communicate with the session layer of the other end **(Right Answers >**
- communicate with the data link layer of the other end
- communicate with the application layer of the other end

Answer: C

ICMPv6 uses Type field to identify the type of packet, according to the value of the Type field, we can divide the ICMPv6 packets into two categories: one is the error packets, the other is the information packets.

- True **(Right Answers)**
- Fales

Answer: A

In RSTP, which kind of port can provide the backup path to reach the root node of the spanning tree? What is the status of the port?

- Root Port and Listening State
- Alternate Port and Forwarding State
- Alternate Port and Listening State
- Designated Port and Listening State
- Alternate Port and Discarding State **(Right Answers >**

Answer: E

About VRRP load balancing, which of the following description is correct? (Multiple Choice)

- You can create multiple VRRP groups on an interface of a router. The router can be used as either a master VRRP backup group, oy also as a backup of other VRRP backup group **(Right Answers)**
- VRRP load balancing requires at least two virtual routers to provide forwarding services **(Right Answers)**
- When deploying load balancing, requires a host with a local area network to configure different virtual router IP address as the default gateway address **(Right Answers)**
- When configuring priority, ensure that the same router in three VRRP groups as master

Answer: A, B, C

A HW new users complain that his computer connect to the Internet network quality is very poor.

Which reason can lead to poor quality of network, network conflict and intermittent communication interrupt between the user and switch interface?

- use the wrong type of cable
- B. work pattern don't match **(Right Answers >**
- switch ports are disabled
- interface rate does not match

Answer: B

Which of the layers are shared in OSI reference model and TCP/IP model? (Multiple Choice)

Session Layer

Data link layer

Transport Layer **(Right Answers >**

Presentation Layer

Physical Layer

Application Layer **(Right Answers >**

Answer: C, F

As following, about the LOP synchronization in ISIS, which statement is correct ?

LOP establishes neighbor faster than ISIS, so LOP synchronization is off by default.

LOP synchronization can avoid the traffic lost when the standby link switch. **(Right Answers)**

LOP synchronization just open globally.

LOP synchronization can be deployed on the Loopback interface.

Answer: B

About IPv6 over 1Pv4 tunnels, the correct statement as following is: (Multiple Choice)

Generally, create a Tunnel interface when configure the manual tunnel on the VRRP platform; but create a Virtual-Template interface generally when configure the manual tunnel.

Automatic Tunnel has a great advantage relative to the manual tunnel, it will phase-out the manual tunnel.

6to4 automatic tunnel need to use the specified IPv6 address field, the prefix of the assigned address is 3ffe::/16.

All the data encapsulation types of automatic tunnel are the same. **(Right Answers >**

ISATAP tunnel decides the tunnel's destination IPv6 address according to the destination 1Pv4 address.

(Right Answers)

Answer: D, E

In a basic network layer data packet, what information may be contained in it? (Multiple Choice)

Data Link Layer Header

Upper Layer Header **(Right Answers)**

Network Layer Header **(Right Answers >**

Trail

Network Layer Tail

Answer: B, C

If you want an EIGRP neighbor advertisement 190.72.27.0/27, then which is correct command of the following?
network 190.72.27.0

network 190.72.27.0 mask 255.255.255.224

network 190.72.27.0 255.255.255.240

network 190.72.27.0 255.255.255.224 **(Right Answers >**

network 190.72.27.0 0.0.0.31

Answer: D

All dumps are available. Contact on +923074748815

In order to let the routers on both the two ends of 1Pv6 over 1Pv4 manual tunnel exchange the routing information, it can enable OSPFv3 on the tunnel, OSPFv3 will be from neighbor relationship normally, and will regard the tunnel interface as the P2P link interface .

True (Right Answers)

Fales

Answer: A

You want only telnet traffic to access the server (address is 10.1.1.100).

Then you turn on the router to add the following ACL:

rule 5 permit tcp source any destination 10.1.1.100 0.0.0.0 destination-port eq 23

rule 10 deny ip source any destination any

Then you apply the ACL to the ingress direction of the route(s serial interface.

Which of the following types of packets are allowed to pass through the router? (Multiple Choice)

A non-fragmented, using port 21 to accessing server packet

Non-first fragment, using port 23 to access the server message (Right Answers)

Non-first fragment to access other hosts packet

non-first fragment, using port 21 to access the server packet (Right Answers)

First fragment or non-fragmented, using port 23 to access the server message (Right Answers)

Answer: B, D, E

When RIPv2 configured authentication, the password information used by the authentication will occupy the position of the first routing message in the routing update.

True

Fales (Right Answers >

Answer: B

There is a new HW office needs to use their router as a DHCP server.

When configuring the DHCP server to provide DHCP services for HW office ,which of the following two need to configure? (Please select 2 correct answers)

Configure manual binding

Configure DHCP address pool (Right Answers >

Configure DHCP server's startupfile

Exclude IP addresses are not used in the DHCP server (Right Answers)

Configure ping packets' timeout

Answer: B, C

As shown, the packet content field of HVRP's frame structure contains all the legitimate user VLAN information.

Destination MAC	Source MAC	Agreement Sign	Agreement Type	MSTP Instance Number	Packet content

True (Right Answers >

Fales

Answer: A

When three layers switches will originate from IP message of a VLAN is sent to another VLAN, which fields of the message will be rewritten?

Three layer destination address

Three layer source address

Two layer TIL

Three layers TIL (Right Answers >

Three Layer Transfer Protocol

Answer: D

DHCP server can specify the assigned IP address according to the MAC address of the client,can also assign IP address according to the client's access switch and access port .

True (Right Answers >

Fales

Answer: B

Which security features does SNMPv3 define? (Multiple Choice)

Authentication (Right Answers)

Domain chec king

Accounting

Privacy (Right Answers >

Answer: A, D

Each DD message has the serial number which is used for data confirmation. A DD sequence number length is 2 bytes.

True

Fales (Right Answers >

Answer: B

In the following Huawei device, which description about port mirroring is correct ?

Huawei devices support to make control flow which gets to the CPU be port mirroring. **(Right Answers)**

If observing that port congestion occurs , due to the priority of mirrored packets is high, so it will not be discarded.

Huawei device supports flow-based port mirroring, and mirroring stream can be copied to multiple observing ports.

The traffic in RSPAN transmit to the observing port via multicast way.

Answer: A

IPv6 introduces Solicited-Node address , which of the following description about the address is correct?

This is a particular address, it is used to resolve MAC addresses in ARPv6.

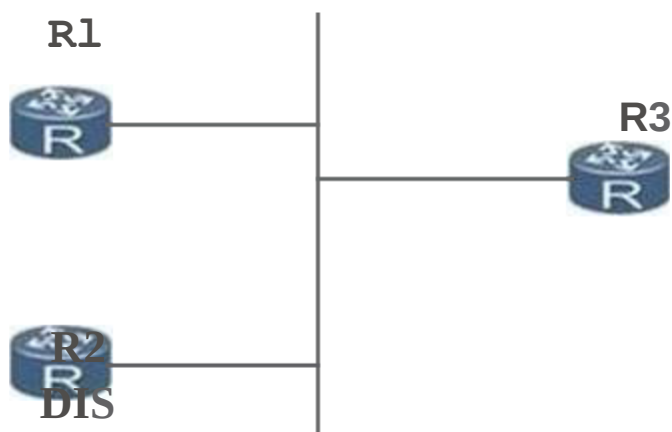
router interface's Solicited-Node Address is generated automatically, and can have more than one. **(Right Answers >**

If you do not configure Solicited-Node address, the router will automatically generate one on each interface .

IPv6 introduces Solicited-Node address is to support IPv6 multicast.

Answer: B

In the ISIS broadcast network database synchronization process, which of the following statement is correct ?



R2 as DIS, will periodically send CSNP_ **(Right Answers)**

R2 as DIS, Hello time is three times of the normal router.

R2 as the DIS will not receive other routes PSNP requests.

R1 and R3 maintain a consistent database by sending PSNP request periodically.

Answer: A

HW network provide MPLS VPN services for customers.

In HW network, there is a MPLS label stack bottom bit settled to 1, which of the following description on the label is correct ?

bottom of the stack bit is Huawei proprietary implementations, and only be used when the LOP acts as the label distribution

bottom of the stack bit is received for future

bottom of the stack bit will be used only when LOP acts as a distribution label

when the bottom of the stack bit is set to 1, it indicates that the label is the top label, and remains at 1 until the label stack leaving only the stack bottom label

when bottom of the stack bit is set to 1, it indicates that the label is the bottom label **(Right Answers >**

Answer: E

You need to configure policy routing on the router to specify a particular traffic through an interface to forward.

When using policy-based routing, which of the two most typical information can be used to make traffic forward along a specific path?

TTL and source IP address of the packet

source IP address and the second floor source address

source IP address and a specific protocol (such as FTP, HTTP, etc.) **(Right Answers >**

service type header and message length

Answer: C

LS serial number field is used to detect the outdated and duplicate LSA. This field is a 32-bit signed integer, so the smallest serial number is 0x80000000.

TRUE

FALSE **(Right Answers)**

Answer: B

Based on DSCP, which option description is correct?

IP precedence and DSCP have no overlap part

DSCP's CS is backward compatible with IP precedence **(Right Answers)**

DSCP and IP precedence is completely the same. The name change is just the practice of marketing orders

DSCP's last two bits and IP precedence overlapping

DSCP only for TC, IP precedence only for UDP

Answer: B

In traffic monitoring policing, using double barrel double speed, the number of tokens in C bucket is TC, the number of tokens in P bucket is PB. When a message whose length is B enters, which of the descriptions is correct? (Please select three correct answers)

A. If $TP - B > 0$ and $TC - B > 0$, the message is marked green **(Right Answers >**

If $TP-B > O$ and $TC-B < O$, the message is marked yellow **(Right Answers)**

If $TP-B < O$ and $TC-B < O$, the message is marked red **(Right Answers)**

If $TP-B > O$ and $TC-B < O$, the message is marked green

Answer: A, B, C

What characteristics does Syslog information have? (Multiple Choice)

Syslog message transmission is reliable

Syslog message transmission is safe

Syslog message Transmission is confirmable

Syslog message transmission is not reliable **(Right Answers >**

Syslog message Transmission is not confirmable **(Right Answers >**

F. Syslog transmission is unsafe **(Right Answers >**

Answer: D, E, F

The users want the router to forward the packet and choose the routing according to their own defined policy and based on traditional routing forwarding. In order to implement the goal, you can use policy routing.

Which of the following description about policy routing is wrong?

policy routing cannot be used to set the IP precedence **(Right Answers)**

policy routing cant' set the DSCP routing in a statement

policy routing can set the next -hop IP address

policy routing can be used to match a message length

Answer: A

Which of the following description about OSPF adjacency and link-state database synchronization is correct?

When the OSPF router status reaches LOADING state, then FULL adjacency forms

adjacency begins from EXSTART state **(Right Answers)**

In the broadcast network, FULL adjacency will be formed among all routers

INIT state indicates that the router has received Hello message from the neighbor, and the Hello message has already contained its own Router ID

Answer: B

In Huawei devices, when ISIS imports external routes and set routing information's external route tag, ISIS's Metric keep the default type without modification.

True

False **(Right Answers >**

Answer: B

The quality of a company's network link is poor. It often failure leads to route flapping, even occasionally routing loop, in order to prevent recurring of this phenomenon, the network administrator decided to deploy the uRPF in the whole network to improve network stability.

True

Fales (Right Answers)

Answer: B

On the router HW1,you want to see the status of the frame relay connection. Which command displays the status of the frame relay PVC? (Multiple Choice)

display frame relay pvc

display fr interface Serial 01010 (Right Answers >

display fr inarp-info

display fr lmi-info

display fr map-info interface Serial 01010 (Right Answers >

display frame relay interface

Answer: B, E

uRPF is split into loose mode and strict mode, to the harsh environment with more attac k, it is recommended to use strict mode to close check to attac k data; and that the internal network with good management can use the loose mode to conseive device resources.

True

Fales (Right Answers)

Answer: B

One company has deployed the SSM multicast, in order to save the bandwidth consumption that the multicase date in the LAN,network administrators made the following configuration on the switch 85700 :

(QuidwayJ igmp-snooping

enable (QuidwayJ vlan 10

(Quidway-vlan 10J igmp-snooping enable (Quidway-vlan 10J igmp-snooping version 3

After then, the switch will forward the data packet accordingto the specific circumstance that the client joins to the multicase group.

True

Fales (Right Answers)

Answer: B

What is the relationship among the CIR, Be and Tc?

. CIR=Tc/Bc

. CIR=Be/Tc

Tc=CIR/Bc

Tc=Bc/CIR (Right Answers)

Answer: D All dumps are available. Contact on +923074748815

If need to configure the routing policy on a router.

Which of the following parameters are based on by the administrator when deployed the routing policy? (Multiple Choice)

The size of the package **(Right Answers >**

A specific terminal system identifying **(Right Answers >**

Agreement **(Right Answers >**

Application **(Right Answers >**

Throughput capacity

Answer: A, B, C, D

The following description about link-state routing protocol, which is correct ? (Multiple Choice)

The router will send all the link-state information which come from one neighbor to all the other neighbors to ensure the synchronization of the database.

The router in the flooding domain may receive the same link state information repeatedly. **(Right Answers >**

Each router establishes an entire flooding domain topology structure. **(Right Answers >**

The routers in the entire flooding domain have the same link state database. **(Right Answers >**

Every router directly learn from routing updates routing entries and added to the routing table.

Answer: B, C, D

What functions the RED have? (Multiple Choice)

Avoid TCP's global synchronization **(Right Answers >**

Specific data ratelimiting

M1nom1ze data packet jitter **(Rghit Answers)**

Ensure hghi-priority traffic forwarding priority

Prevent low priority traffic to be starved to death

Answer: A, C

When DLDP detects a unidirectional link in the fiber, the default actions of Huawei device include: the DLDP state machine migrates to Disable state; output Trap information; set the interface as the blocking state automatically.

True **(Right Answers)**

Fales

Answer: B

In the MPLS VPN network, it needs to establish the MP-IBGP neighbor relationship between PE, so which interface will be recommend to use to establish MP-IBGP neighbor relationship?

Interface connected with P router

Interface connected with CE router

Loopback Interface **(Right Answers)**

There is no special requirement, any interface will be ck.

Answer: C

Suppose on the PE router has enabled BGP/MPLS IPv4 VPN, OSPF, LDP and static routing protocols. Which of the following agreement is needed to enable the GR on PE in order to obtain NSF function? (Multiple Choice)

OSPF (Right Answers >

MPLS LDP (Right Answers)

BGP (Right Answers >

Static routing protocol

Answer: A, B, C

Which destination IP address is used by RIPv2 to transmit updated messages?

224.0.0.5

224.0.0.1

255.255.255.255

224.0.0.10

224.0.0.9 (Right Answers >

Answer: E

Now there are two community-filter: ip community-filter 1 permit 100:1

200:1 ip community-filter 2 permit 100:1

ip community-filter 2 permit 200:1

Which of the description about the above community-filter is correct? (Multiple Choice)

Only when the community attribute value carried in BGP routes contains 100 :1 and 200:1, the BGP routing will match community-filter 1 (Right Answers)

As long as the community attribute value carried in BGP route contains 100:1 or 200 :1, or both, the BGP routing will match community-filter 1

Only when the community attribute value carried in BGP routes contains 100:1 and 200:1, the BGP routing will match community-filter 2

As long as the community attribute value carried in BGP routing contains 100:1 or 200:1, or both, the BGP routing will match community-filter 2 (Right Answers)

Answer: A, D

In Huawei Switch, the Hybrid port can choose the VLAN1 as Untagged VLAN.

True (Right Answers >

Fales

Answer: A

In the ISIS broadcast network type, when establishing the process of adjacency, if the router interface priority is set as 0, it will not participate in DIS election.

True

Fales (Right Answers >

Answer: B

All dumps are available. Contact on +923074748815

Which timer of the STP timer does stipulate the frequency that the root bridge sends configuration BPDU?

STP timer

Hold timer

Hello timer **(Right Answers)**

MaxAge timer

Forward Delay timer

Answer: C

In HW IP multicast network, there are multiple sources, and each source has a number of recipients.

Which of the following protocol allow the flow from the source to the RP and the flow from RP to receivers share the same tree?

PIM-DM

MOSPF

DVMRP

Bidirectional PIM **(Right Answers)**

PIM SM

Answer: D

In command, aggregate ipv4-address {mask / mask-length} (as-set | attribute-policy route-policy-name1 | detail-suppressed | origin-policy route-policy-name2 | suppress-policy route-policy-name3]. in multiple arguments can be used to affect the summary route and its results.

About the command description, which is correct? (Multiple Choice)

If you have configured As-set, the summary route AS_PATH contain all detailed routers AS information to prevent routing loops. **(Right Answers)**

If you configure the Suppress-policy, will produce an aggregation route, the if-match clause in Route-policy to select suppression specific routes. The specific routes of matching Route-policy will still be advertised to other BGP neighbors

If you configure the Origin-policy, only the specific routes matched with the Route-policy can participate aggregation **(Right Answers)**

If you configure Attribute-policy, you can change the attributes of the aggregation route **(Right Answers)**

Answer: D

IPTV business send the video data using multicast type, when the user changes the channel, the multicast traffic of the original television program will continue to send for sometime, when the user frequently changes channels, the situation is more serious.

To minimize the unwanted multicast traffic , what agreement is recommended to deploy?

IGMPv1

IGMPv2 **(Right Answers >**

MLD

GVRP

IGMP snooping

Answer: B

What are the methods for dividing VLAN in Huawei Switch? (Multiple Choice)

Divide based on Port **(Right Answers>**

Divide based on IP Subnet **(Right Answers>**

Divide based on Protocol **(Right Answers >**

Divide based on MAC Address **(Right Answers>**

Divide based on QoS

Answer: A, B, C, D

Class D IP address range 239.0.0.0 - 239.255.255.255, what is the role?

management group the range multicast address, locally valid **(Right Answers >**

link-local multicast address, use that address traffic, including network traffic control messages, and the address range is only valid locally

SSM multicast address, the address range is valid in the whole network

any valid multicast data stream and multicast applications all use this address

Routing protocol used Multicast addresses.

Answer: A

Multicast address range of SSM model default is 223.0.0.0/8. Which of the following configuration can modify SSM model multicast address range?

in the system view, running command ssm-policy basic-acl-number can modify SSM model multicast address range

in the system view, running command ssm-policy advanced-ad-number can modify SSM model multicast address range

in PIM view, running command ssm-policy basic-acl-number can modify SSM model multicast address range **(Right Answers >**

in PIM view, running the command ssm-policy advanced-ad-number can modify SSM model multicast address range

Answer: C

Router HW1 found on a large number of DE the frame of the bit is set to 1. In the frame relay, DE is part of the

congestion control. Generally, which of the following mechanism DE will bits unite to use?

BECD/FECN (Right Answers)

CoS

ToS

FRTS

DSCP

Answer: A

Run OSPFv3 and ISIS on routers at the same time ,need to be introduced OSPFv3 routing into ISIS, what kinds of following introduced configuration is correct? (Multiple choice)

A. (Huawei) isis 1 (Huawei-isis-1) is-level level-1 (Huawei-isis-1) network-entity 47.0001.0000 .0000 .0002.00

(Huawei-isis-1) ipv6 enable topology standard (Huawei-isis-1) ipv6 import-route ospft3 1 level-1 [Huawei-isis-1)

quit (Huawei) ospft3 1 (Huawei-ospft3-1) router-id 2.2.2.2 (Right Answers)

(Huawei) isis 1 (Huawei-isis-1) is-level level-1 (Huawei-isis-1) network-entity 47.0001.0000.0000 .0002 .00 (Huawei-isis-1) ipv6 enable topology standard (Huawei-isis-1) ipv6 import-route ospft3 1

(Huawei-isis-1) quit (Huawei) ospft3 1 [Huawei-ospM-1) router-id 2 .2.2 .2

(Huawei) isis 1 (Huawei-isis-1) network-entity 47.0001.0000.0000.0002 .00 (Huawei-isis-1) ipv6 enable

topology standard (Huawei-isis-1) ipv6 import-route ospft3 1level-1 (Huawei-isis-1) quit (Huawei) ospft3 1 (Huawei-ospft3-1) router-id 2.2.2 .2 (Right Answers)

(Huawei) isis 1 (Huawei-isis-1) network-entity 47.0001.0000.0000.0002.00 (Huawei-isis-1)

import-route ospft3 1 (Huawei-isis-1) quit (Huawei) ospft3 1 (Huawei-ospM-1) router-id 2.2.2.2

[Huawei) isis 1 (Huawei-isis-1) is-level level-1 (Huawei-isis-1) network-entity 47.0001.0000 .0000

.0002.00 (Huawei-isis-1) import-route ospft3 1 level-1 (Huawei-isis-1) quit (Huawei) ospft3 1 (Huawei-ospM-1) router-id 2.2.2.2

Answer: A, C, D

Which of the following description about OSPF area is correct ?

All types of OSPF areas supported the introduction of external routes

When an external route is introduced into the OSPF Stub area, external routes which will be introduced spread in Stub area in the form of Category 5 LSA

OSPF Stub area allow to introduce external routes, but Totally Stub area does not allow to introduce external routes

When an external route is introduced into the OSPF Totally Stub area, external routes which will be introduced spread in Totally Stub area in the form of Category 5 LSA

When an external routes is introduced into the OSPF Totally NSSA area , external routes which will be introduced is passed in Totally NSSA area in the form of Class 7 LSA (Right Answers >

Answer: E

An existing network running OSPF, what type of LSA can cause ISPF operation? (Multiple choice)

category 1 LSA (Right Answers >

category 2 LSA (Right Answers >

category 3 LSA

category 4 LSA

category 5 LSA

Answer: A, B

Which of the following description on the external route tag of ISIS is correct? (Multiple choice)

Only when the IS-IS cost type is Wide, Wide-compatible or Compatible, released LSP will carry the external route tag. (Right Answers >

ISIS external route tag only takes effect on the Level-2 routes .

ISIS external route tag is enabled by default.

the value of ISIS ext ernal route tags is in the range of 1 to 4294967295. (Right Answers)

ISIS external route tag is enabled by default. (Right Answers >

Answer: A, D, E

Router HW cannot access the remote network host. Did not run a routing protocol on the router HW and only reach the remote network through a default route. On the router HW using the extended ping remote file server address is 10.5.40.1. Results on the router HW ping rendered as: "Request time out".

According to the above description, which of the following statements is wrong?

next-hop router of router HW has no path to the destination address

Router HW has no legal route to the destination address **(Right Answers >**

ICMP packets can reach the destination address, but the destination device failed to reply

Ping is successful, but the route to the destination address occurs congestion

There is a firewall in the remote destination network, and there is no release of ICMP traffic

Answer: B

Community-filter has two types of basic community attribute filter and advanced community attribute filter.

Which filtering tool can enable advanced community attribute filter is more flexible than the basic community filter to match the community attribute?

IP-prefix

AS-path-filter

Regular-expression **(Right Answers >**

ACL

Answer: C

ISIS- types of authentication include interface authentication, area authentication, routing domain authentication.

True **(Right Answers 1**

False

Answer: A

Compared with IPv4 multicast, which of the following descriptions is the IPv6 multicast features?

IPv6 multicast load sharing function extends multicast routing rules, which does not entirely depend on the RPF check

IPv6 multicast clients use IGMPv3 to join a multicast group

IPv6 Multicast doesn't contain MSDP and dense mode

The first 8 bits of IPv6 multicast address are always FF (1111 1111) **(Right Answers)**

Answer: D

Which of the following PIM protocol packets use unicast address as their destination address? (Multiple choice)

Assert message

Candidate RP Advertisement message **(Right Answers)**

Register Stop message **(Right Answers>**

Graft message **(Right Answers>**

Answer: B, C, D

All dumps are available. Contact on +923074748815

Which of the following description about the Ethernet VLAN is True?

VLAN does not support batch created on the device .

VLAN range is from 0 to 4096.

Huawei equipment default retention VLAN of 4000 to 4010.

VLAN can expand the use scope through QinQ technology (Right Answers >

Answer: D

A router receives a BGP route with the community attribute No-Export, how will the router handle the BGP routing?

Discard the route directly.

No longer advertise to other BGP routers.

Only advertise to IBGP neighbors. (Right Answers >

Normally advertise the route, but the route is not used to forward data

Answer: C

HW device network administrators plan to migrate IGMPv2 in the multicast network to IGINPv3. IGMPv3 compared with IGMPv2, what place should be improved? (Multiple Choice)

IGMPv3 adds the function which specified to not join the multicast group with specific multicast source (Right Answers >

IGMPv3 adds the function which specified to join the multicast group with specific multicast source (Right Answers >

IGMPv3 adds the Request-to-sen and Clear-to-send between the source and the local IGMP queries

IGMPv3 deletes report-suppression function for membership report (Right Answers >

IGMPv3 deletes the function that a wildcard join all sources in the multicast group

Answer: A, B, D

Now there is an As-path-filter: ip as-path-filter 1 permit.'£- 1001400 £© \$,what AS_PATH attributes can be matched by this As-path-filter?

100 (Right Answers >

3100 (Right Answers)

1234 1400 (Right Answers >

3004200

Answer: A, B, C

Which routing selection tool can only specify the matching conditions aiming at the autonomous system (AS) path domain?

ACL

IP-prefix

AS-path-filter **(Right Answers)**

Community-filter

Answer: C

As following is the process of the RSVP bandwidth reservation: R1 applies for the bandwidth reservation to the downstream node R2 through Path information, R2 uses Resv information to reply after receiving the requestment then R2 continues to apply for the bandwidth reservation to its downstream node R3 using Path information, and so forth, until the egress router reached.



True

Fales **(Right Answers >**

Answer: B

About the description of configuring BGP4+ which is correct? (Multiple Choice)

The Router-ID of BGP4+ is consistent with the Router-ID of BGP4. **(Right Answers)**

When BGP4+ specified the peer, it must use the Link-Local address.

BGP4+ route s next hop does not use the Link-Local address. **(Right Answers >**

When BGP4+ configuring the reflector, the roles of reflector and client need to be consistent with the BGP4 configuration.

BGP4+ does not support the router reflector.

Answer: A, C

If a switch Ethernet interface by twisted-pair is connected to another switch Ethernet interface, then what the line sequence should be like?

1->3 £, 2->6 £, 3->1 £, 6->2 **(Right Answers >**

1->1 £, 2->2 £, 3->3 £, 6->6

1->4£, 2->5 £, 4->1£, 5->2

1->5 £, 2->4 £, 4->2 £, 5->1

1->6£, 2->3 £, 3->2 £, 6->1

Answer: A

HW users are very much transmission via TFTP file. What protocol is relied on by TFTP for transmission?

ICMP and UDP

IP and TCP

NFS

FTP

UDP (Right Answers >

Answer: E

An existing As-path-filter: ip as-path-filter 1 permit ^ 100 L100) '(- 400) '\$, which AS-PATH attribute cannot the As-path-filter match?

100

100 200 900 (Right Answers)

100 400

100 400 400 400

Answer: B

Which of the following information does STP based on to calculate path cost?

interface bandwidth (Right Answers >

interface delay

interface bandwidth and delay

hops

bridge priority

Answer: B

There is a network composed by router R1, router R2, router R3 and router R4. The four routers are interconnected by a LAN network. All four routers deploy the basic OSPF. When you are executing the command "display ospf peer" on Router 2 you will find the status between Router2 and Router3 is "2-way".

So from this output, what conclusion can you draw? (Multiple choice)

the router R2 is DR or BDR

router R3 is neither DR, nor the BDR (Right Answers >

router did not form a full adjacency relationship between R2 and R3 router (Right Answers >

router R2 is not DR (Right Answers >

the router R4 is DR

Answer: B, C, D

You are now in a LAN troubleshoot, and you suspect that the error was due to operating mode mismatch .

Which switch interface error indicates the 10/100/1000 IEEE Gigabit interface operating mode mismatch? (Multiple choice)

Alignment Error (Right Answers >

FCS Error (Right Answers I

Multiple Collisions

Ultra-small Frame (Right Answers >

All dumps are available. Contact on +923074748815

Excessive Conflict (Right Answers 1)
Lag Conflict (Right Answers >

Answer: A, B, D, E, F

As shown below, which routes will R2 learn?



```
Isis1
network-entity 10.0000.0000.0001.00 import-route direct
filter-policy ad-name abc export Isis 2
#
```

```
interface LoopBack0
ip address 10.1.1.1255.255.255.0
ip address 10.1.3.1255.255.255.0 sub ip
address 10.1.2-1 255.255.255.0 sub
#
```

```
interface GigabitEthernet0/0/0
ip address 100.1.1.1255.255.255.0
isis enable1
#
```

```
acl name abc
rule 10 permit ip source 10.1.1.0 0.0.0.255
```

```
Isis2
network-entity 10.0000.0000.0002.00
#
```

```
Interface GigabitEthernet0/0/0
Ip address 100.1.1.2 255.255.255.0
```

- A. R2 can learn R1 all routes (Right Answers 1)
R2 can learn 10.1.1.0/24 router.
R2 can learn 10.1.2.0/24 and 10.1.3.0/24 two routes.
R2 can receive R1 LSP, but cannot be added to the routing table.

Answer: A

In order to improve the security of ISIS protocol, you can configure the authentication in ISIS protocol, there are three authentication methods, namely the interface certification, domain authentication and routing domain authentication.

True (Right Answers)

False

Answer: A

When MPLS network carrying IP packets, **TTL** will be how to deal with? (Please choose 2 correct answers)

MPLS label head TTL is set to 255 (Right Answers >

In the direction of the boundary of LSR, IP packet TTL is copied into the **TTL** field of MPLS (Right Answer)

MPLS label header **TTL** is set to 0

In the direction of the boundary of LSR to disable the **TTL**

In the MPLS domain, **TTL** cannot be disabled

Answer: A, B

All dumps are available. Contact on +923074748815

Judgement: NAC is an end-to-end security solutions. From user terminal rather than equipment to protect the network security.

True **(Right Answers >**

False

Answer: A

Which of the following description about data traffic load sharing in Huawei equipment is true?

only LACP and LLDP protocol in Huawei devices can implement data traffic load sharing.

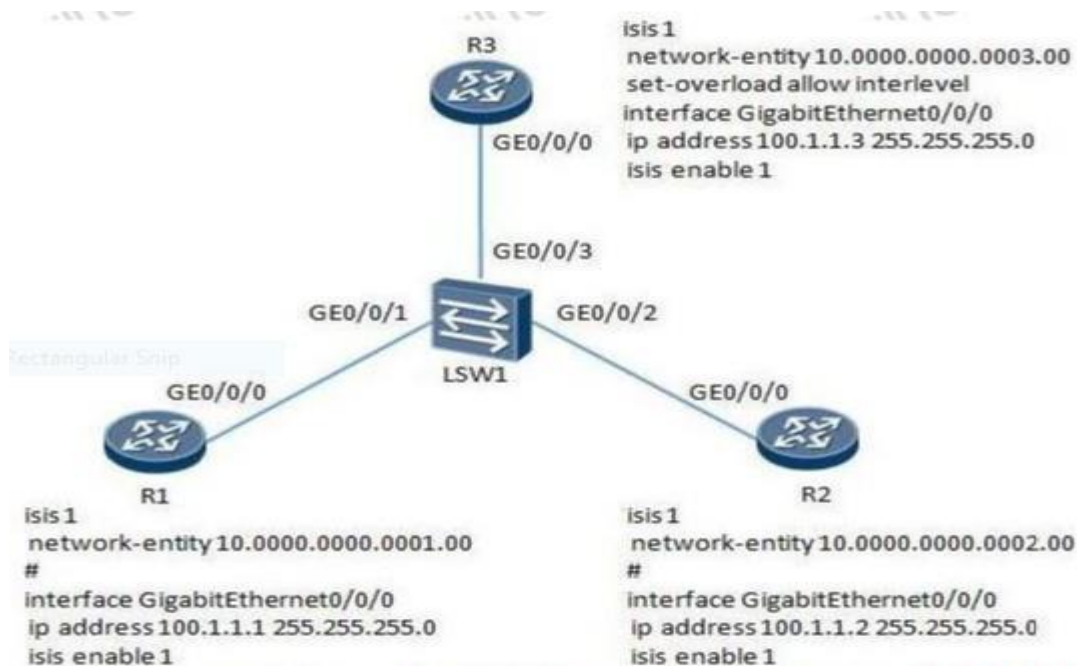
Huawei device supports PoS, Serial, Ethernet and other types of interface link aggregation and load sharing. **(Right Answers >**

under the Huawei switches Eth-trunk interface, the default is based on source MAC address and destination IP address foreignlands for load sharing.

under Huawei switches Eth-trunk interface may be based on data frame CoS values do hash algorithm to achieve load sharing.

Answer: B

As shown, in the configuration of router R3 set ISIS overload bit, which of the following statement is True? (Multiple choice)



R3 starts overload state, R1 and R2 will not calculate the R3 generated LSP in SPF tree.

R3 LSP will not be able to spread to R1 and R2.

R3 direct route because of the overload bit set will be ignored by R1 and R2.

R3 imported routes through import-route will not be able to publish. **(Right Answers >**

when router memory is insufficient, the system will automatically set the overload flag bit in sent LSP packets, it is irrelevant to whether the user configure the set-overload command. **(Right Answers)**

Answer: D, E

Which of the following is only used for BGP to choose routing? (Multiple choice)

ACL

IP-prefix

AS-path-filter **(Right Answers >**

Community-filter **(Right Answers >**

Answer: C, D

Which type of prefix will router running BGP circular to their IBGP neighbor (assuming that the router is not configured as a route reflector)?

prefix is learned through other BGP neighbors, or prefix is introduced by the local network or routing learned the prefix exists in the routing table

prefix is learned through EBGp neighbors, or prefix is introduced by the local network or routing learned **(Right Answers >**

prefix is learned through EBGp neighbors, or learn the prefix from the RR

prefix is learned through other IBGP neighbors, or prefix is learned from EBGp neighbor, or the prefix is introduced by routing learned **E.** prefix learned through other IBGP neighbors, or learn the prefix from the RR

Answer: C

RD is used to distinguish same IP address between different VPN. RD contains how many bit?

16

32

64 **(Right Answers >**

128

Answer: C

In RIPng network, hope the router can publish a default route to the entire network, which of the following configuration is True?

(Huawei) ripng 1 (Huawei-ripng-1) import-route static cost 2 (Huawei-ripng-1) quit (Huawei) ipv6 route-static::0 NULL0

[Huawei] interface GigabitEthernet0/0/1 [Huawei-GigabitEthernet0/0/1] ipv6 enable [Huawei-GigabitEthernet0/0/1] ipv6 address 2001::12:1/64 [Huawei-GigabitEthernet0/0/1] ripng 1 enable (Huawei-GigabitEthernet0/0/1) ripng default-route originate [Huawei-GigabitEthernet0/0/1] quit **(Right Answers }**

(Huawei) ripng 1 (Huawei-ripng-1) import-route static cost 2 (Huawei-ripng-1) quit (Huawei) ipv6 route-static :0 2001:19:9

(Huawei) ripng 1 [Huawei-ripng-1] ripng default -route originate [Huawei-ripng-1] quit

Answer: B

Which of the following can be used for BGP routing? (Multiple choice)

ACL **(Right Answers >**

IP-prefix **(Right Answers)**

AS-path-filter **(Right Answers >**

DSCP

Answer: A, B, C

All dumps are available. Contact on +923074748815

What field of 1Pv6 head is similar with the 'Type of Service' field of 1Pv4 head?

Flow Label

Version

Next Header

Traffic Class **(Right Answers >**

Answer: D

You want to make sure that key business in the network HW get high priority. which field does IP Precedence of data packets based on to set?

All the 8 bit of ToS field

the first 4,5 and 6 bit in ToS field

three least significant bits in ToS field

three most significant bits in ToS field **(Right Answers >**

Answer: D

In shared network Which mechanism is used by PIM-SM to prevent repeat traffic?

Register mechanism

BSR!RP mechanism

Assert mechanism **(Right Answers >**

Join/Prune mechanism

Answer: C

The SPF algorithm, which of the following description is correct? (Multiple choice) A.

SPF algorithm also called Dijkstra algorithm **(Right Answers)**

B. SPF algorithm only uses in the first time to calculate the shortest path tree **(Right Answers >**

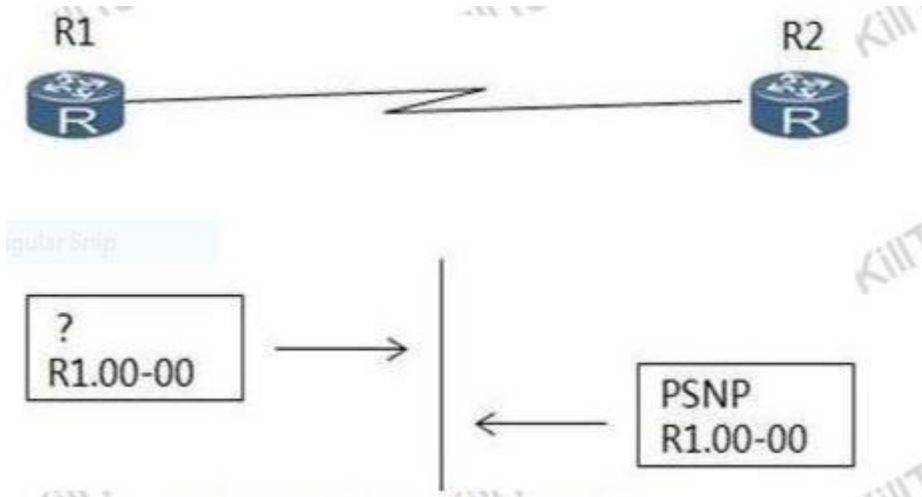
When router calculate the shortest path tree, with itself as the root to build SPF tree **(Right Answers >**

when router calculate the shortest path tree, with its target segment as the root to build SPF tree

HW router default OSPF reference bandwidth is 10A9/BW

Answer: A, B, C

As shown in figure, ISIS neighbor relationship between R1 and R2 just created, which of the following statement about database synchronization process between R1 and R2 is True?



the packets R1 sent to R2 are PSNP packets.

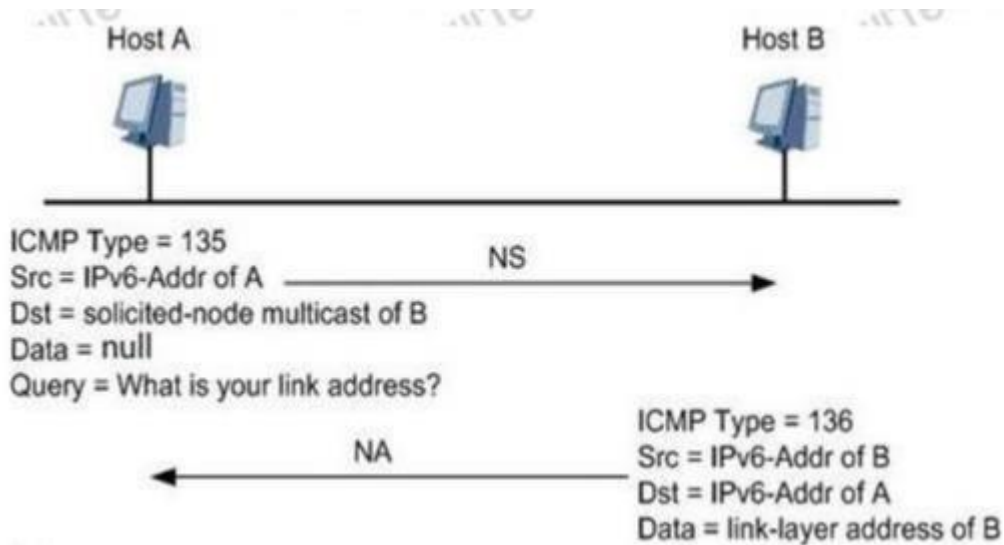
the packets R1 sent to R2 are PSNP packets. (Right Answers)

the packets R1 sent to R2 are LSP packets.

the packets R1 sent to R2 are Hello packets.

Answer: B

To check if figure below about the process of NDP analysis link-layer address is True.



True

Fales (Right Answers >

Answer: B

Which of the following configurations are true OSPFv3 routing aggregation configuration ? (Multiple choice)

(Huawei) ospfv3 1 (Huawei-ospfv3-1) abr-summary fc00:0:0::48 cost 400

[Huawei] ospfv3 1 [Huawei-ospfv3-1] asbr-summary fc00:0:0::48 cost 20 tag 100 (Right Answers >

(Huawei) ospfv3 1 (Huawei-ospfv3-1) area 1 (Huawei-ospfv3-1-area-0 .0.0.1) asbr-summary fc00:0:0::48 cost 20 tag 100

D. (Huawei) ospfv3 1 (Huawei-ospfv3-1) area 1 (Huawei-ospfv3-1-area-0 .0.0.1) abr-summary fc00:0:0:48 cost 400 (Right Answers >

[Huawei] interface gigabit ethernet 1/0/0 [Huawei-GigabitEthernet1/0/0] asbr-summary fc00:0:0::48 cost 20

(Huawei) interface gigabit ethernet 1/0/0 [Huawei-GigabitEthernet1/0/0] abr-summary fc00:0:0:48 cost 400

Answer: B, D

You're troubleshooting frame relay interface serial 0 on HW router. When the interface is up and quickly enters the down state You use the command display interface, see LMI status message of interface serial has been sent but not received.

So what causes the problem occur?

Receive too much error message on the link

Sub interface number exceeds the limits of the IDB

DCD configuration errors on the frame relay line

Ends of keep alive configuration error

Answer: B

Which of the following DNS resource record is legitimate? (Multiple choice)

NS (Right Answers >

PTR (Right Answers }

A (Right Answers >

MX (Right Answers >

FQDN

Answer: A, B, C, D

Branches using telnet and FTP and through an 256k HDLC link visit the headquarters application By what compression method can optimize the current network?

Compression timely transfer protocol

TCP header compression

Stacker compression (Right Answers >

Predictor compression

Answer: C

Which of the following operations can achieve rapid fault detection on the multicast network? (Multiple choice)

shorten Join/Prune message Hold time

B. reduce time interval of interface sending Hello message (Right Answers >

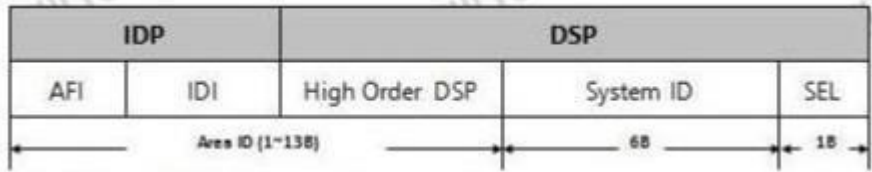
All dumps are available. Contact on +923074748815

neighbors to build PIM BFD session **(Right Answers)**

reduce time interval of sending Join/Prune message

Answer: B, C

As shown, under the environment of 1Pv4 and 1Pv6, SEL field in ISIS.net address always values of 00.



True **(Right Answers)**

False

Answer: A

In BGP,AS-path-filter is for filtering the AS_PATH attribute. AS_PATH attribute is actually a string defined by the regular expression.

True **(Right Answers)**

False

Answer: A

Which of the following description about the process of sending and receiving data frame in switch interface Access mode is True?

in Access mode only receive data frames without labels .

in Access mode when receiving data frames with labels directly discarded

in Access mode when sending it will strip off the data frame VLAN tag. **(Right Answers >**

when data frames entering the switch interface, the switch will learn the destination MAC address of data frame .

Answer: C

Which of the following routing selection tool is peculiar to the BGP?

Route-policy

IP-prefix

AS-path-filter **(Right Answers >**

ACL

Answer: C

The network topology change will cause flooding to occur, and then what kind of OSPF packets will be used in LSA?

Hello

Link State Update **(Right Answers >**

Link State Request

Database description

E. Link State Acknowledgement

Answer: B

Customers in a UNIX server using the network time protocol (NTP) to provide network reference time. If the clock network equipment needs and UNIX server clock synchronization. Which of the following should be on the network device configuration command?

ntp master

ntp server **(Right Answers >**

ip ntp clock

ntp peer

sntp master

Answer: B

Which messages will be sent to Agent by running SNMPv1NMS (Network Management Station)?

Trap & Get and Set

B. Get & Set and Getnext **(Right Answers >**

Get & Set & Getnext and GetBulk

Get & Set and GetBulk

Only Trap

Answer: B

The following about CBWFQ description which is correct?

CBWFQ provides delay, jitter and bandwidth assurance for traffic

CBWFQ not only used for going out the interface but also be applied to the incoming interface

CBWF can use MQC configuration, service-policy is applied to the outlet direction **(Right Answers >**

CBWF can be configured in the hierarchy of the policy-map. Parent policy-map regulatory enforcement,

child policy-map execution CBWFQ

Answer: C

Between PE and CE of MPLS VPN. You can use a variety of IGP routing protocols, including RIP, OSPF and ISIS, does not support other protocols temporarily.

True

False **(Right Answers >**

Answer: C

All dumps are available. Contact on +923074748815

HW IP multicast network in a (' , G) entries and multicast features associated with which of the following? (Multiple choice)

shared tree **(Right Answers >**

PIM bidirectional **(Right Answers)**

Dense Mode

source tree

Sparse Mode **(Right Answers >**

dense tree

Answer: A, B, C

HW1 on the router configured with CAR Committed Access Rate. The following description of the CAR is the most appropriate?

CAR permitted speed for the traffic shaping

CAR able to limit the rate of traffic inbound or outbound **(Right Answers)**

CAR with the queue to form a hierarchical strategy, and as part of it. CAR must be applied in the parent policy-map, rather CBWFQ must be applied in the child policy-map C.CAR is actually a queue

D. CAR only match UDP port range of ports 16384 – 32767

Answer: A, B, C

What's the main use to use RPF in IP multicast network?

In order to establish a multicast reverse flow path from the receiver to the source

To avoid multicast traffic from forming loops in the network **(Right Answers)**

in order to confirm the OIL entry's existing interface

D. To prevent unauthorized multicast traffic transmission

Answer: B

In order to view the router R1's routing table the router R1 execute the command "display the IP routing table".

Router R1 runs OSPF protocol. Which description of OSPF information in routing table of following is correct?

In the routing table, the routing table entry identified by "OSPF" identifier indicates that the entry is learned through Type 1 LSA or Type 2 LSA

In the routing table, the routing table entry identified by "O_ASE" identifier indicates that the entry can only be learned by routing incoming **(Right Answers)**

In the routing table, the routing table entry identified by "O_ASE" identifier indicates that are intra-regional routes

In the routing table, the routing table entry identified by "O_ASE" identifier is learned from Type 7 LSA which introduced other processes to OSPF

E. In the routing table, all types of LSA corresponds to a unique destination address

Answer: B

On some HW network equipment plans to use DSCP information to deploy QoS. In the comparison of different options, which of the following options is correct?

IP precedence and DSCP have no overlap

DSCP is only used for TCP, IP precedence is only used for the UDP

DSCP and IP precedence are fully the same, name changed is only the marketing practice of commands

DSCP last two and IP precedence overlap

E. CS of DSCP backward compatible with IP precedence **(Right Answers >**

Answer: E

ISIS during the establishment of a neighbor, under the P2P network type CSNP message not sent.

True

B. False (Right Answers >

Answer: E

AS100 and AS200 are enabled for multicast, within their respective autonomous systems are independent setting BSR and RP, the RP USES MSDP protocol interaction between SA information ;In order to prevent the BSR message across AS boundary, the simplest way is to use ACL on ASL interconnection interface of BSR message filtering.

True

B. False (Right Answers >

Answer: B

Which of the following description about ISIS in Ethernet environment operation is correct?

ISIS using multicast in Ethernet environment interaction control information.

ISIS election DIS in Ethernet environment, comparative priority rules for interface is preferred, if the same priority are System - ID.

ISIS is sent by DIS periodic PSNP in Ethernet environment to maintain the integrity of the database.

D. ISIS in Ethernet environment using a three-way handshake to establish a safe and reliable neighbor relationship. (Right Answers >

Answer: D

HW1 running OSPF router and router HW2 in the same LAN network.

Which multicast address will the router HW 1 and HW2 send each other routing updates through? (Multiple choice)

224.0.0.10

224.0.0.1

224.0.0.13

224.0.0.5 (Right Answers)

224.0.0.9

F. 224.0.0.6 (Right Answers)

Answer: D, F

When deploying LLQ bandwidth parameters need to be configured . What's the meaning of the bandwidth parameter?

providing a built- in strategies to limit LLQ priority traffic when congestion (Right Answers >

The parameter is an option, because LLQ always take precedence over other queues

The parameters should be as small as possible. It represents the bandwidth is always received . Even no use LLQ, this parameter will reduce the bandwidth of the interface

D. It represents reference CIR to calculate internal strategy implement token bucket burst size

Answer: A

A workstation connected to an Ethernet switch of the workgroup via over Category 5 cable. Workstations can access the whole network through the switch (e, fully connected), but much lower access rates than desired. When viewing the switch interface statistics, we can detect a lot of "ultra-small frame." When software reading the statistics information of the workstation network card, we found many FCS and frame alignment error.

What reason is likely to lead to the generation of these errors?

network interface card on the workstation has been corrupted

All dumps are available. Contact on +923074748815

Line between the workstation and the switch has been damaged **(Right Answers)**

Interface mismatched to be 802.1q trunk interfaces **(Right Answers)**

the speed between workstations and switches mismatch

the working mode between workstation and switch mismatch **(Right Answers >**

Answer: B, C, E

Which of the following is used in Ethernet networks? (Multiple choice)

MAC address non-canonical format

Multiple Access in CSMA / CD **(Right Answers>**

Specifications MAC address format **(Right Answers>**

802.5 encapsulated frames

802.3 encapsulated frames **(Right Answers>**

Answer: B, C, E

If a switch of gigabit Ethernet interface of the receive buffer is full, so what the switches use protocol notification interface delay for a period of time to send data on the far side of the frame?

802.1u

802.3z **(Right Answers >**

802.10

802.3

802.3af

Answer: B

Which property subject to the following two conditions:

(1) BGP router A can select Update packet carries the attribute.

(2) If the router B receives the property that contains the Update packet router B does not recognize the property, but will also contain the property's Update packets are advertised to router C. Router C can recognize and use the property (Multiple choice)

Aggregator **(Right Answers >**

Local_Pref

Multi_Exit_Disc

D. Community (Right Answers >

Answer: A, D

What a host configuration information can be obtained from the DHCP server?

IP address, subnet mask, MAC address and DNS server

IP address, DNS, default gateway and MAC address **(Right Answers)**

IP address, subnet mask, default gateway and host name

IP address, subnet mask, default gateway and MAC address

Answer: B

Which of the following tools cannot be directly referenced by if-match clause in the route-policy?

Regular expression **(Right Answers >**

IP-prefix

AS-path-filter

Community-filter

Answer: A

Which of the following claims about the RP is correct?

RP in PIM multicast model is required.

RP is the focal point the whole network multicast traffic needs to be forwarded through the RP router.

RP recorded in the whole network multicast source. **(Right Answers >**

In the PIM-SM and PIM-SSM in, RP indispensable.

Shared tree is established by the RP.

Answer: A

Which of the following about Huawei Device Eth-trunk link aggregation characterization is correct?

link aggregation can only be applied to the device on the second layer.

Link aggregation can be applied to the second and third layer of the equipment. **(Right Answers >**

link aggregation cannot across the equipment deployment.

link aggregation can be implemented based on the data of TCP or UDP port load balancing method .

Answer: B

Routers HW enabled OSPF routers and HW role for ABR, and configure the abr-summary, which will be aggregated LSA class? (Multiple choice)

Class 1 LSA (Right Answers >

Class 2 LSA (Right Answers >

Class 3 LSA (Right Answers >

Class 4 LSA

Class 5 LSA

Answer: A, B, C

Configure AAA authentication on Huawei VRP, we can follow the user domain to distinguish between access users can carry the domain name in the user to specify the authentication domain.

True **(Right Answers >**

False

Answer: B

About TCP sliding window, which of the descriptions are wrong? (Multiple choice)

- the sender declared initial window size **(Right Answers >**
- the sender does not need to transfer the full window size of packets
- TCP sliding window allows a plurality of frames sent before receipt of acknowledgment
- receiving end need to wait before sending ACK window to fill
- receiving end need to periodically send a confirmation
- sliding window size can only increase or remain unchanged **(Right Answers >**

Answer: A, F

201. Which field does Data packets based on IP precedence set ?

- All 8 bit ToS field
- ToS first 4,5 and 6 bit in the field
- ToS three least significant bits

Answer: C

Which of the following IEEE standard is formulated to gigabit Ethernet? (Multiple choice)

- 802.3z **(Right Answers >**
- 802.3ab **(Right Answers >**
- 802.3ad
- 802.3af

Answer: A, B

Router R1 and router R2 run BGP. Both routers are in AS 65234. The route of router R2 exist in the BGP routing table of router R1, but not in the IP routing table of router R1. So what reason causes this problem?

- Synchronization is closed
- BGP neighbor relationship is down
- router R1 is not enabled BGP multi-hop
- routing is not optimal **(Right Answers >**

Answer: D

Which of the description about the WRR (Weight Round Robin) is wrong? (Multiple choice)

- WRR is A congestion management technology.
- WRR can ensure that various queues are assigned to a certain amount of bandwidth.
- WRR can ensure key business is sent first . **(Right Answers >**
- WRR can avoid the network congestion. **(Right Answers >**
- WRR cannot be used on the GE interface.

Answer: C, D

You expect to deploy multicast video applications in your private, internal network. To achieve this goal, you need to use a private multicast IP address on your network. So what range of IP addresses can be used?

- A. 224.0.0.0 - 224.255.255.255
- B. 226.0.0.0 - 226.255.255.255
- C. 241.0.0.0 - 241.255.255.255
- D. 239.0.0.0 - 239.255.255.255 (Right Answers >
- E. 240.0.0.0 - 254.255.255.255

Answer: D

ISIS main types of packets containing SNP, IIH, LSP.

True (Right Answers)

False

Answer: A

Network HW now installed a new Syslog server to receive network management information. What characteristics does Syslog information have? (Multiple choice)

- Syslog message transmission is reliable
- Syslog message transmission is safe
- Syslog message Transmission is confirmable
- Syslog message transmission is not reliable (Right Answers)
- Syslog message Transmission is not confirmable (Right Answers)
- Syslog transmission is unsafe (Right Answers>

Answer: D, E, F

Which of the following description is correct? (Please select two correct answers)

- SNMPv1 has no privacy, and use community as validation (Right Answers>
- SNMPv2c has privacy, and use community as validation
- SNMPv2c has privacy, and use user name as verification
- SNMPv3 has privacy, and use community as validation
- SNMPv3 has privacy, and use user name as verification (Right Answers>

Answer: A, E

Why BGP is an enhanced distance vector routing protocol?

- BGP cannot receive AS_PATH in route to carry the local AS number
- NEXT_HOP is recognized as the property must comply
- use BGP routing AS_PATH attribute experience all the autonomous system number of records in the AS list, and according to the properties of routing, optimizing AS_PATH shorter routing (Right Answers >
- according to the BGP routing rules, optimizing MED lower routing

Answer: C

If there is a run 802.10 spanning tree protocol LAN, Non-root switch does not receive the following parameters from which the root switch?

MaxAge

Root cost

Forward delay

Hold time (Right Answers)

Hello time

Answer: D

CPU is malicious traffic .

message of sending CPU speed limit. (Right Answers >

use ACL in attack router port filtering data packets.

sent to the CPU packets statistical analysis to find out the source of the attack or attack the source user interface. (Right Answers>

use CPCAR sent to the CPU in accordance with the protocol type of packets rate limiting. (Right Answers >

close the remote login function of the router.

Answer: A, C, D

Two routers connected through a firewall cannot establish BGP neighbor relations . What's the reason?

BGP neighbor must form a two-layer adjacency

EBGP multihop has no configuration (Right Answers >

firewall does not release the protocol number 89

firewall does not open UDP port 179

Answer: B

Network administrators prepared to use automatic 6to4 tunnel is 1Pv6 data in 1Pv4 network, the router interface's 1Pv4 address is 138.14.85.210, so the corresponding tunnel address is 2001:8a0e:55d2 :1:230:65ff fe2:9a6.

True

False (Right Answers >

Answer: B

Which of the following description about SSM functional is the most accurate?

SSM is the extension of DVMP protocol, to efficiently transmit one-to-multiple traffic

SSM needs MSDP to find active source in other PIM domain

In the SSM, route multicast traffic is done based on source tree. RP is used for a recipient to the corresponding source tree

use of SSM, the recipient can use the INCLUDE in IGMPv3 to indicate that it wants to join the source (Right Answers)

Answer: D

What types of prefixes to its EBGp neighbor does Router running BGP will send ?

- prefix is learned through other BGP neighbor, or prefix is locally by introducing the BGP routing and network **(Right Answers >**
- exists in the routing table prefix
- prefix only learned through EBGp neighbor, or a local network or through the introduction into the BGP routing
- prefix only learned through EBGp neighbor, or prefix from RR learned
- exists in the routing table prefixes (apart from EBGp learned)
- exists in the routing table prefixes (apart from IBGP learned)

Answer: A

Which description of the legal performance of 1Pv6 prefix 12 ab00000000cd30 in the following is correct? (Multiple choice)

- 12AB:0000:0000 :CD30:0000:0000:0000/64 **(Right Answers >**
- 12AB:0:0 £°CD3/64
- 12AB::CD30/64 **(Right Answers >**
- 12AB:0:0:CD3:/64
- 12AB:CD3:/64

Answer: A, C

ISIS routing during filtration, which can be as tools to achieve?

- community-filter
- access-list **(Right Answers >**
- policy-based-route
- as-path-filter

Answer: B

VPN instance is also known as the VPN Routing published VPF (VPN Routing and Forwarding table). There are multiple routing turn published on PE, including one public network routing, one or more of the VPN routing to turn and turn VPNv4 route.

- True **(Right Answers >**
- False

Answer: A

Router connected via two parallel cable Serial two EBGp neighbors, you will use any way to achieve two-way load balancing two EBGp neighbors connected by two parallel cables between the Serial?

- rule 10 permit tcp source any destination any
- rule 10 permit icmp source any destination any icmp-type ttl-exceeded rule 15 permit icmp source any destination any icmp-type port-unreacha ble **(Right Answers >**
- rule 10 permit icmp source any destination any icmp-type !ti-exceeded rule 15 permit icmp source any destination any icmp-type echo-re ply
- rule 10 permit icmp source any destination any icmp-type echo rule 15 permit icmp source any destination any icmp-type net-unreacha ble
- rule 10 permit udp source any destination any rule 15 permit icmp source any destination any icmp-type protocol-unreacha ble

Answer: B

Which of Huawei switches on Mux VLAN description is correct?

In the same VLAN, Mux VLAN and Super VLAN can be used in combination.

Principal Port can communicate all ports and Mux VLAN. **(Right Answers >**

Mux VLAN divided into Principal VLAN and Subordinate VLAN, Subordinate VLAN is divided into Separate vlans and Isolate VLAN.

Each Separate VLAN can bind multiple Principal VLAN.

Answer: B

Routers work in three layers, can use uRPF such technique to calibrate the source address of the packet, although switcher work on the second floor, but as long as the corresponding function is enabled, may also be the source IP address of the packet checksum.

True **(Right Answers)**

False

Answer: A

Existing address block "200 .10.10.0/24" needs to be allocated to the three loopback interface, two point-to-point link, an Ethernet has 50 sites and one Ethernet has 96 sites. Which of the following statements about address planning is more effective (from the perspective of saving IP address)?

200.10.10.1/32£, 200.10.10.2/32 £, 200.10.10.3/32 £, 200.10.10.4/30 £, 200.10.10.8/30 £, 200.10.10.64/26£, 200 .10.10.128/25 **(Right Answers >**

200.10.10.0/32£, 200.10.10.1/32 £, 200.10.10.2/32 £, 200.10.10.4/31 £, 200.10.10.8/31 £, 200.10.10.64/26 £, 200.10.10.128/25

200.10.10.1/32 £, 200.10.10.2/32 £, 200.10.10.3/32 £, 200.10.10.4/31 £, 200.10.10.8/31 £, 200.10.10.64/27 £, 200 .10.10.128/26

200.10.10.1/31 £, 200.10.10.2/31 £, 200.10.10.3/31 £, 200.10.10.4/30 £, 200.10.10.8/30 £, 200.10.10.64/27 £, 200.10.10.128/26

For these subnets, does not have enough IP addresses for assignment.

Answer: A

Which of the following ways does 1Pv6 multicast introduces the concept of multicast scope, multicast range concept through?

have special field in 1Pv6 multicast address specified multicast transmission range . **(Right Answers)**

When the multicast source sends 1Pv6 multicast data packet TIL value will be set to define a multicast transmission range .

when the network configuration, administrator at the edge of the network using multicast configuration commands to define a range .

multicast range is just a concept spread wide no specific technical implementation.

Answer: A

Running command "bandwidth-reference 5000" on the VRP platform of the router HW1. So configured, what is the OSPF cost value of a Gigabit Ethernet of router HW1?

1

5 **(Right Answers >**

50

500

5000

50000

Answer: B

All dumps are available. Contact on +923074748815

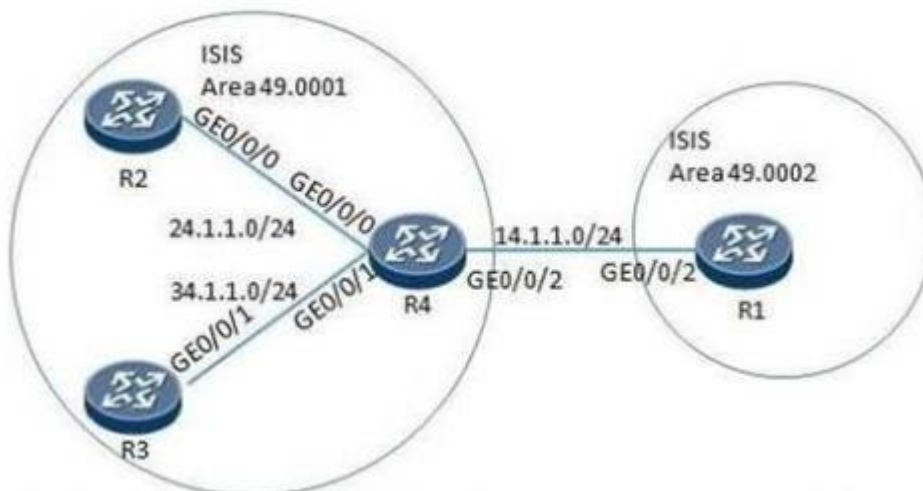
Refer to the following configuration output, which device is

DIS? Total LSP(s): 6

Level-2 Link State Database

LSPID	Seq Num	Checksum	Holdtime	Length	ATT/P/OL
0000.0000.0001.00-00	0x00009d4e	0xd139	1199	70	0/0/0
0000.0000.0003.00-00	0x00000b06	0x8cc2	1198	94	0/0/0
0000.0000.0004.00-00*	0x00000bbc	0x9d98	1200	124	0/0/0
0000.0000.0004.01-00*	0x00000006	0xe49a	922	55	0/0/0
0000.0000.0004.02-00*	0x00000006	0xa5da	922	55	0/0/0
0000.0000.0004.03-00*	0x00000006	0x9ee0	922	55	0/0/0

*(In TLV)-Leaking Route, *(By LSP D)-Self LSP,+-Self LSP(Extended),
ATT-Attached, P-Partition,CL-Overload



R4 with R3 interconnect segment is DIS, with R1 interconnect segment is not DIS.

B. R4 with R1 and R3 interconnected network segment and the segment are interconnected DIS. (Right Answers >

C. DIS pseudo node numbers can be reused on the same device at the same Level.

Pseudo-node number is used to indicate DIS priority.

Answer: B

What is the significance of received multicast address 224.0.0.0 - 224.0.0.255?

The multicast address range is received for the management group address, and the local effective

The multicast address range is received for the management group address, and the address's multicast traffic cannot be transferred to the Internet

The multicast address range is a link-local multicast traffic, including network control messages aside, and the address range is only valid locally (Right Answers)

Any valid multicast data stream and multicast applications will be using this address

The address indicates Global Internet, the address range of the whole network effectively

Answer: c

Router connected via two parallel cable Serial two EBGp neighbors, you will use any way to achieve two-way load balancing two EBGp neighbors connected by two parallel cables between the Serial?

do not use any method, BGP will automatically flow between different autonomous systems on the available link load balancing

Use the loopback interface to establish the EBGp peer relationship, and configure EBGp multihop, loopback interface is configured as the update source, then use IGP to achieve the equivalent path load balancing between loopback address

(Right Answers)

configured to loopback interface as the source of updates EBGp neighbor relationship, every AS IGP should be introduced in two equal-cost paths to reach the EBGp neighbor loop back port address; and the need to use the command "next -hop-local"

at both ends using the command "ebgp-load-balance

configured to loopback interface as the source of updates EBGp neighbor relationship, every AS IGP should be introduced in two equal-cost paths to reach the EBGp neighbor loop back port address; and the need to use the command "ebgp-max-hop" and "next -hop-local "

Answer: B

Existing a switch to run RSTP protocol.

If the network topology changes , it automatically switches to the study by the Layer 2 forwarding table entry what changes will happen?

Only close to the port of TC messages list items will be deleted

in addition to the edge of the port related tables and associated with the port of charge to TC message table item not to delete, other list items are deleted **(Right Answers)**

all list items are deleted

in addition to the edge of the port related table item not to delete, other list items are deleted

if the aging time set for 15 seconds, then more than aging time entries will be deleted

Answer: B

HW companies need to deploy a multicast application . Require the multicast application traffic can be transmitted only in HW company intranet. So which multicast address should be allocate d for multicast applications?

can assign a multicast address for the multicast applications wthin the range (224.0.1.0-239.255.255.255)

should allocate a multicast address for multicast applications in this range (239.0.0.0-239.255.255.255) **(Right Answers >**

should allocate a multicast address for multicast applications from 232.0.0.0 - 232 .255.255.255

HW company should apply to the IANA for a multicast address for the multicast applications

Answer: B

In the multicast network running PIM-SM mode, how the routers select an upstream interface?

Find corresponding outgoing interface of map proxy in unicast routing table.

interfaces directly connected to multicast group members.

Find corresponding outgoing interface of RP address in the unicast routing table. **(Right Answers)**

interface of receiving PIM Join message

interface of sending PIM Hello message

Answer: C

Which of the following description about the link-state protocol is the most reasonable?

fast convergence and low CPU utilization

CPU utilization is high and prone to loop

slow convergence and average CPU utilization is low

fast convergence and high CPU utilization **(Right Answers)**

Answer: D

When 1Pv6 routing transmitted in BGP4+ protocol, it is similar to 1Pv4,MP_REACH_NLRI,Next_Hop,AS_Path the like will be accepted as compliance attributes carried in the route update message.

True

False **(Right Answers >**

Answer: B

When a huawei router in the network make forwarding decisions, huawei router based on the principles of will optimal routing entry is forwarded to the data packet.

the priority

the Router ID

longest matching mask **(Right Answers >**

the routing process

neighbor ID

Answer: C

A routing tool can define multiple entries.

Which tool will automatically add a deny-any entry at the end of configuration? (Multiple Choice)

IP-prefix **(Right Answers)**

AS-path-filter **(Right Answers >**

Community-filter **(Right Answers >**

Route policy

Answer: A, B, C

For Priority Queuing (PQ),which description is correct?

PQ and LLQ mechanism is similar; the two can be used interchangeably.

the router using the default WRR or WFQ queues without using PQ queue. **(Right Answers >**

PQ consumes large amounts of memory and processing power. It is not recommended to enable in the low-end devices.

PQ can only be applied to the serial port, Ethernet port cannot be applied.

Answer: B

Which type of message report event sent to the NMS SNMP is reliable?

Get

Response

Inform **(Right Answers)**

Trap

Get Bulk

Answer: C

All dumps are available. Contact on +923074748815

237. To configure the check function for the source address of the IP packet on the switch, which of the following configuration is complete and correct?

(Quidway) interface gigabit ethernet 0/0/1 (Quidway-GigabitEthernet0/0/1) ip source check user-bind enable (Quidway-GigabitEthernet0/0/1) quit

(Quidway) dhcp enable (Quidway) dhcp snooping enable (Quidway) vlan 10 (Quidway-vlan10) dhcp snooping enable (Quidway-vlan10) dhcp snooping trusted interface gigabit ethernet 0/0/1 (Quidway-vlan10) ip source check user-bind enable (Quidway-vlan10) quit (Right Answers)

(Quidway) dhcp enable (Quidway) dhcp snooping enable (Quidway) arp learning strict (Quidway ip source check user-bind enable

(Quidway) user-bind static ip-address 10.0.0.1 mac-address 0001-0001-0001 (Quidway) user-bind static ip-address 10.0.0.11 mac-address 0002-0002-0002 (Quidway) vlan 10 (Quidway-vlan10) ip source check user-bind enable

(Quidway) anti-attack abnormal enable (Quidway) arp learning strict (Quidway) vlan 10 (Quidway-vlan10) urpf strict (Quidway-vlan10) quit

Answer: B

In order to reduce Delay and Jitter of the significant traffic , Frame Relay and PPP is the same, the packet may be fragmented, and a plurality of PVC can be bundled.

True (Right Answers >

False

Answer: A

About DSCP field, which of the following statement is wrong?

data in the DSCP CS class is divided into eight priority levels.

DSCP addition to indicating the priority of the data, but also indicates the probability of discarding data.

DSCP value can be 0, when it is 0, data packet will use the default forwarding mechanism.

When the DSCP value is EF, it indicates that the data belongs to the Expedited Forwarding class . (Right Answers)

Answer: D

Which design in Router can improve the reliability of the router? (Multiple choice)

twin-engine design (Right Answers >

Dual power supply design (Right Answers >

module hot-swappable design

ISSU design

Answer: A, B

The switch can be suppressed to the traffic to control the impact of loops and other problems on operations, the following traffic suppression configuration, which is the wrong configuration?

[Quidway) interface gigabit ethernet 0/0/1 [Quidway-GigabitEthernet0/0/1] broadcast-suppression 80

[Quidway-GigabitEthernet0/0/1] quit

[Quidway) vlan 10 [Quidway-vlan10] broadcast-suppression 1000 [Quidway-vlan10] quit

[Quidway) icmp rate-limit enable [Quidway) icmp rate-limit total threshold 20

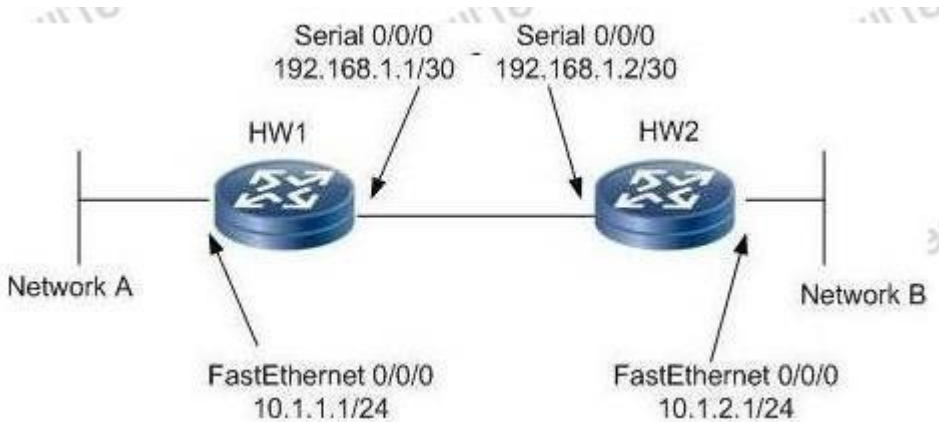
[Quidway) interface gigabit ethernet 0/0/1 [Quidway-GigabitEthernet0/0/1] multicast-suppression 80 [Quidway-

GigabitEthernet0/0/1] quit

[Quidway] vlan 10 [Quidway-vlan10] multicast-suppression 1000 [Quidway~Aan10] quit **(Right Answers)**

Answer: E

242. Router HW1 and Router HW2 connect respectively network A and network B. As shown, if you want to establish IPsec VPN between the router HW1 and the router HW2.



Which ACL should Router HW1 configure to make the sent traffic from LAN to LAN to go through an encrypted VPN tunnel?

- rule permit ip source 192.168.1.10 destination 192.168.1.2 0
- rule permit ip source 10.1.1.0 0.0.0.255 destination 192.168.1.2 0
- rule permit ip source 10 110 0 0 0 255 destination 10.1.2.0 0.0.0.255 **(Right Answers)**
- rule permit ip source 192.168.1.10 destination 10.1.2.0 0.0.0.255
- rule permit ip source 10.1.2.0 0.0.0.255 destination 10.1.1.0 0.0.0.255

Answer: C

HW company now has a frame relay network composed by two sites, a headquarters site, a remote site. Use a PVC connecting the two sites. Network runs RIPv2. HW company extends for Frame Relay network and adds a remote site, while between headquarters and remote sites adds a new PVC link. All frame relay interface IP addresses are in the same subnet. The company HW already on the frame relay network configured DLCI mapping, and can from the new remote site ping through headquarters site, from another remote site can also ping through the headquarters site. However, the routing table of the new site is not a route to other remote site LAN network cannot ping the LAN interface and LAN address of the host address. What is the most likely cause of the problem?

On the two remote sites, without pointing to other sites neighbor configuration

Frame Relay interface of headquarters site opens split horizon features **(Right Answers)**

IP-to-DLCI mapping in frame relay configuration is not configured correctly

RIP routing updates cannot be part of the Internet in the Frame Relay network, it needs to be replaced with other routing protocols RIP

headquarters site needs to be configured to trigger updates to forward two remote sites in routing update

Answer: B

Which would you ping IPv6 address to confirm OSPFv3 can send and receive unicast packet via the link?

Link Local Address **(Right Answers)**

Site local Multicast

Unique Local Add

Anycast Address

Global Address of the link

Answer: A

A router runs multiple routing protocols.

So when forwarding data, if there are multiple routing entries that match the destination address of the packet, which route entry will the router choose?

routing entry has the longest subnet mask. **(Right Answers)**

Preference value of the routing entry is the lowest.

routing entry with the least cost

First, preferably straight , followed by a static route is preferred, and finally select from the dynamic routing.

Answer: A

When configured ISIS area authentication which ISIS packets will carry the authentication information?

ISIS SNP and LSP of the Level-1. **(Right Answers)**

ISIS SNP and LSP of the Level-2

ISIS Hello packets of the Level-1

ISIS Hello packets of the Level-2 .

Answer: A

In these cases as following, RSTP will refresh the MAC address table? (Multiple Choice)

when A port state change

when receiving topology change notice **(Right Answers >**

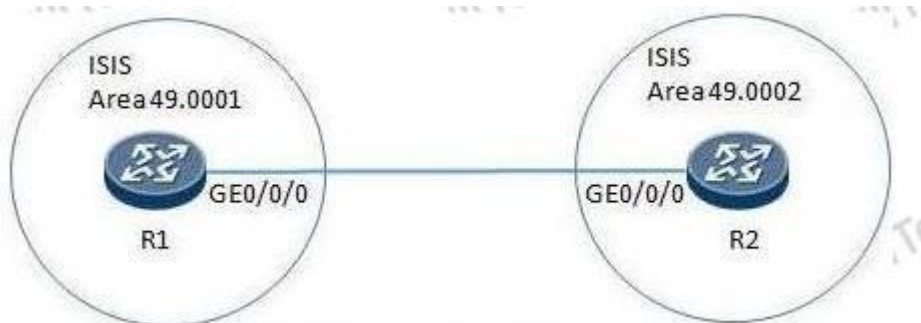
when by discarding port state transition to forwarding **(Right Answers >**

when port state by forwarding to discarding the transition

only when the port state transition from listening to discarding

Answer: B, C

As shown, the following options, which can meet to establish ISIS neighbors between the two routers?



Two routers keep the default type. **(Right Answers >**

Two routers are Level 1 type.

ISIS process number of two routers must be consistent.

in two routers, one can be a Level-1-2 type; the other one is a Level-1 type.

Answer: A

Which description of PPPoA is correct? (Multiple Choice)

PPPoA contains NCP, LCP and all supporting AAL information

PPPoA is not a protocol standard

PPPoA using AAL5 as encapsulation protocol, and is mainly used in xDSL **(Right Answers)**

In PPPoA architecture , assign IP addresses to users CPE in the form of IPCP negotiation

(Right Answers)

All dumps are available. Contact on +923074748815

PPPoA support all the PPP features in addition to the PAP and CHAP

Answer: C, D

After 1Pv6 device an address for FC00::1 is connected to a network, in the network, crawl the following packages, what is the role of this packet?

```

+ Frame 2: 78 bytes on wire (624 bits), 78 bytes captured (624 bits)
+ Ethernet II, Src: HuaweiTe_6e:7f:a2 (00:e0:fc:6e:7f:a2), Dst: IPv6mcast_ff:00:00:01 (33:33:ff:00:00:01)
+ Internet Protocol Version 6, Src: :: (::), Dst: ff02::1:ff00:1 (ff02::1:ff00:1)
- Internet Control Message Protocol v6
  Type: 135 (Neighbor solicitation)
  Code: 0
  Checksum: 0x7ea5 [correct]
  Reserved: 0 (should always be zero)
  Target: fc00::1 (fc00::1)

```

The equipment is to do loopback testing.

The router in the network segment test equipment operation state

the other device on network requests to resolve the device of MAC address.

the device confirm address configuration of another device on network. (Right Answers >

when it is more than one router on the network segment, in which a router advertises the redirect message of routes to this device.

The device requests the exportation router address.

Answer: D

In the PIM-SM, which of the following description about the PIM join message is correct ?

the PIM join message once every 60 seconds to send for multicast tree refresh the upstream router mroute state

(Right Answers)

routing to send the PIM join confirmation in response to each PIM join messages received from the downstream router

PIM join messages are sent only when the multicast distribution tree for the first time established

PIM join messages are sent every three minutes once a multicast tree that the upstream router to refresh the status

mroute

Answer: A

Which of the following explanation about command domain-authentication-mode md5 hello in the process of ISIS is correct?

This command is mainly used to make ISIS Hello packets carry the authentication information in the transfer process.

All routers domain authentication modes in the same routing domain are MD5, passwords are hello, IS-IS packets can be normally spread. (Right Answers>

Routing domain authentication is mainly used to make LSP and SNP packets of Level-1 and Level-2 carry the authentication information in the process of transfer.

ISIS certification could not be applied in the 1Pv6 environment

Answer: B

Which of the following description of ISIS route penetration is correct? (Multiple choice)

ISIS routing penetration can be used in an IPv6 environment. **(Right Answers)**

ISIS routing penetration can be deployed on the Level-1 router.

ISIS routing penetration does not include the summary route .

ISIS routing penetration does not cause the neighbors shock. **(Right Answers)**

ISIS routing penetration is used to prevent routing loops.

Answer: A, D

Which of the following statement about ISIS routing disclosure is correct ?

ISIS routing disclosure only applies to IPv4 environment.

ISIS routing disclosure avoid suboptimal path. **(Right Answers)**

ISIS routing disclosure must be deployed on the Level-1 router.

ISIS routing disclosure is enabled by default.

Answer: B

In MPLS VPN, what is the role of RT? (Multiple Choice)

allow peer PE to decide which VPNv4 routes can be imported into the specific VRF **(Right Answers >**

Allow peer PE to decide which VPNv4 routes cannot be imported into the specific VRF **(Right Answers >**

Allow peer CE to decide which VPNv4 routes can be imported into the specific VRF

Allow peer CE to decide which VPNv4 routes cannot be imported into the VRF specific

Answer: A, B

You are considering using one of RIP and OSPF routing protocols to deploy network. Which of the following is the correct ?

Use RIPv2 to deploy network, you cannot see the routing entries which's measurement is 16 in the routing table **(Right Answers)**

RIPv2 sent routing update information periodically, so in the event of changes in the topology, RIPv2 can quickly calculate a new route

RIPv1 is a distance vector routing protocol. RIPv2 and OSPF is a link-state routing protocol

RIP does not support authentication, OSPF supports authentication

Answer: A

Which of the following description about IPv6 address legitimate type is correct ? (Multiple Choice)

Broadcast

Multicast **(Right Answers >**

Anycast **(Right Answers >**

Unicast **(Right Answers >**

Answer: B, C, D

Which of the following description of the transparent bridge is wrong? (Multiple Choice)

reducing the address entries aging time of transparent bridge can reduce flooding **(Right Answers)**

increasing the address entries aging time of transparent bridge can reduce flooding

the forwarding entry of transparent bridge is formed by learning to check the source MAC address of each frame

the forwarding entry of transparent bridge is formed by learning to check the destination MAC address of each frame **(Right Answers)**

Answer: A, D

What is the difference between PIM-SM and PIM-OM? (Multiple Choice)

PIM-SM is suitable for less recipient network; The PIM-OM is suitable for more recipient network **(Right Answers)**

BSR/RP only exists in PIM-SM, BSR/RP do not exist in PIM-OM **(Right Answers)**

PIM-SM support forward as needed , ensure that no excess flow in the network: PIM-OM use cycle forward, network will produce excess flow **(Right Answers)**

PIM-SM exist in RPT and SPT and PIM-OM only exist in the RPT

Answer: A, B, C

Existing Route-policy is as

follows: ip community-

filter 1 permit 100:1

ip as-path-filter 2 permit A100\$

route-policy test permit node 10 if-match community-filter 1

if-match as-path-filter 2

apply as-path 200

Which of the following description about the above configuration is correct?

Only when BGP routes carry the community attribute value which is 100: 1 or AS_PATH is 100, the BGP routes will match the above route-policy. AS-PATH attributes of matched route will be changed to 200

Only when BGP routes carry the community attribute value which is 100: 1 and AS-PATH is 100, the BGP routing will match the above route-policy. AS-PATH attributes of matched route will be changed to 200 **(Right Answer)**

Only when BGP routes carry the AS-PATH 100, the BGP routing will match the above route-policy. AS-PATH attributes of matched route will be changed to 200

As long as BGP routes carry the community attribute value which is 100: 1, the BGP routing will match the

above route-policy. AS-PATH attributes of matched route will be changed to 200

Answer: B

Which string can match with •100\$?

3100

100 **(Right Answers >**

1008

100 200

Answer: B