

# **IT-DUMPS** Q&A

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**Exam : H12-811**

**Title : HCIA-Datacom V1.0**

**Version : V8.02**

1. When the Trunk port send the data frame, how to deal with?

- A. When the VLAN ID is the same as the PVID of the port and is a VLAN ID allowed by the port, remove the Tag and send the message
- B. When the VLAN ID is different from the PVID of the port, the data frame is dropped
- C. When the VLAN ID is different from the PVID of the port, replace it with PVID forwarding
- D. When the VLAN ID is different from the PVID of the port, strip off the TAG and forward** verified

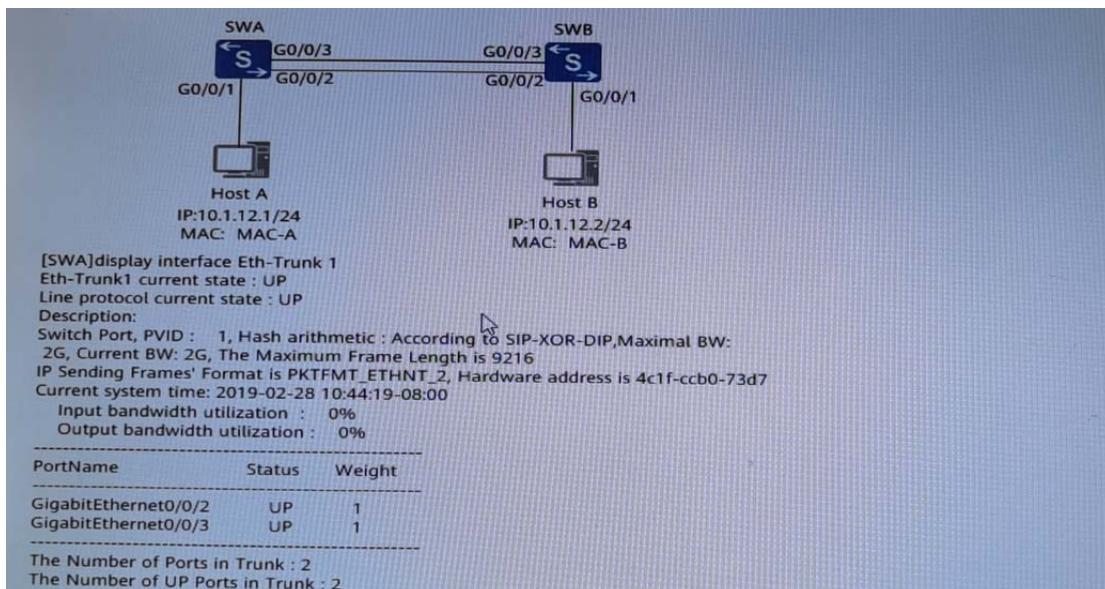
**Answer:**A

2. How many bits are there in the VLAN ID in the VLAN format defined by IEEE802.1Q?

- A.12
- B.6
- C.10
- D.8

**Answer:**A

3. In the network shown in the figure below, the output information of switch A is shown in the figure. Then in the MAC address table of switch A, which interface does the MAC address of host B correspond to?



- A.GigabitEthernet 0/0/3
- B.GigabitEthernet0/0/2
- C.Eth-Trunk 1
- D.GigabitEthernet0/0/1

**Answer:**C

4. All ports on the root-bridge switch are designated ports.

- A.True
- B.False

**Answer:**A

5. In the configuration BPDU sent by the switch, which bridge ID is unlikely to appear?

- A.8192 00-01-02-03-04-CC
- B.4096 00-01-02-03-04-CC
- C.0 00-01-02-03-04-CC
- D.2048 00-01-02-03-04-CC

**Answer:D**

6.The number of VLANs that can be created using the commands "vlan batch 10 20" and "vlan batch 10 to 20" respectively is

- A.11 and 11
- B.11 and 2
- C.2 and 2
- D. 2 and 11

**Answer:D**

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

- A.True

- B.False

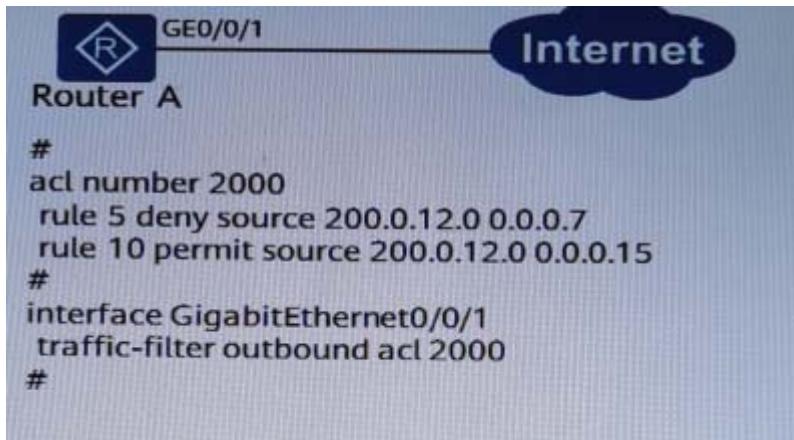
**Answer:A**

8.The administrator wants all hosts to be unable to access the Internet between 8:00-17:00 every day, so which ACL rule needs to be bound to the traffic-filter outbound in the GO/0/1 interface allocation?

- A.time-range am9topm5 08:00 to working-day  
Acl number 2003  
rule 5 deny time-range am9topjni5
- B.time-range am9topm5 08:00 to 17:00 off-day  
#  
acl number 2004  
rule 5 permit time-range
- C. time-range am9topm5 08:00 to 17:00 daily  
acl number 2001  
rule 5 deny time-range am9topm5
- D.time-range am9topm5 07:00 to 18:00 daily  
Acl number 2002

**Answer:C**

9.As shown in the figure below, the wrong statement is:



```
#  
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  
#
```

acl number 2000]  
rule 5 deny source 200.0.12.0.0.0.7 rule 10 permit source 200.0.12.0.0.0.15 #  
interface GigabitEthernet0/0/1 traffic-filter outbound acl 2000

- A. The host whose source IP address is 200.0.12.4 cannot access the Internet
- B. The host whose source IP address is 200.0.12.2 cannot access the Internet
- C. The host whose source IP address is 200.0.12.8 cannot access the Internet
- D. The host whose source IP address is 200.0.12.6 cannot access the Internet

**Answer:**C

10.On Huawei equipment, if you use aaa authentication for authorization. When the remote server does not respond, you can authorize from the network equipment side.

- A.True
- B.False

**Answer:**A

11.What percentage does the DHCP client expect to send the lease renewal message for the first time?

- A.0.5
- B.0.875
- C.1
- D.0.25

**Answer:**A

12.After the administrator successfully logs in to the router through Telnet, and finds that the router's interface IP address cannot be allocated, the possible reasons are ()

- A. The Telnet user level is incorrectly configured
- B. SNMP parameter is incorrectly configured
- C. The Telnet user authentication mode is incorrectly configured
- D. The administrator uses the telnet terminal software to prohibit the corresponding operation

**Answer:**A

13.vty configuration as shown in the figure, the user authority level is set to level 3.

```
[Huawei]user-interface vty 0 14  
[Huawei-ul-vtyo-14]acl 2000 inbound
```

[Huawei-ui-vtyo-14]user privilege level 3

[Huawei-ui-vtyo-14]authentication-node password Please configure the login password (maxim length 16):huawei

A.False

B.True

**Answer:B**

14.When AP and AC are on different Layer 3 networks, what method is recommended for AP to discover AC? (Multiple Choice)

A. Broadcasting method

B. DNS

C. DHCP    **Verified**

D. Manually specified on AP **verified**

**Answer:BC**

15.What frequency does IEEE 802.11n support? (Multiple Choice)

A.2.5GHz

B.2.4GHz

C.5GHz

D.6GHz

**Answer:BC**

16.In IPv4 networks, AP supports static and DHCP methods to obtain IP addresses.

A.True

B.False

**Answer:A**

17.What is the maximum negotiation rate supported by the IEEE 802.11g standard?

A.300Mbps

B.150Mbps

C.54Kbps **54 Mbps**

D.1200Mbps

**Answer:C**

18.Which WLAN security policies support the link authentication method of Open mode? (Multiple Choice)

A.WPA2-802.IX

B.WPA2-PSK

C.WEP

D.WPA

**Answer:ACD**

19.Which of the following SNMP packets are sent to the NMS by the Agent on the managed device?

A.Set-Request

- B.Get-Request
- C.Get-Next-Request
- D.Response

**Answer:D**

20.Which field is added to the IPv6 packet header than the IPv4 packet header?

- A.Destination Address
- B.Flow Label
- C.Version
- D.Source Address

**Answer:B**

21.Which of the following statements about RA and RS in IPv6 are correct? (Multiple Choice)

- A. RS is used to reply address prefix information
- B. RA is used to request address prefix information
- C. RS is used to request address prefix information
- D. RA is used to reply address prefix information

**Answer:CD**

22.Telnetlib is a module that implements the Telnet protocol that comes with Python.

- A.True
- B.False

**Answer:A**

23.The controller is the core component of SDN. The controller connects to the device through the southbound interface. Which of the following belong to the controller southbound protocol? (Multiple Choice)

- A.SNMP **verified**
- B.PCEP
- C.OpenFlow **verified**
- D.NETCONF **verified**

**Answer:AC**

24.In the campus network, network reliability can be improved by using link aggregation and stacking technology.

- A.True
- B.False

**Answer:A**

25.Using the command mkdir test in the VRP operating platform, the system will create a directory named test.

- A.True
- B.False

**Answer:A**

26. As shown in the figure, after the two routers are configured with OSPF, the administrator configures the <silent -interface s0/0/0> command on RTA, then the correct description of the following is (). (Multiple Choice)



- A. The neighbor relationship between the two routers will be down
- B. The neighbor relationship between the two routers will not be affected
- C. RTA will no longer send OSPF packets
- D. RTA will continue to receive, analyze and process OSPF packets sent by RTB

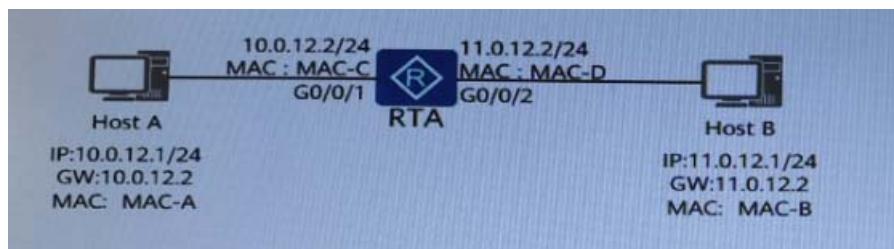
**Answer:**BCD

27. Which of the following statements about the default route are correct? (Multiple Choice)

- A. If the destination address of the message cannot match any other routing entries in the routing table, the router will forward the message according to the default route
- B. There must be a default route in the routing table of any router
- C. The default route can only be manually configured by the administrator
- D. 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)

**Answer:**AD

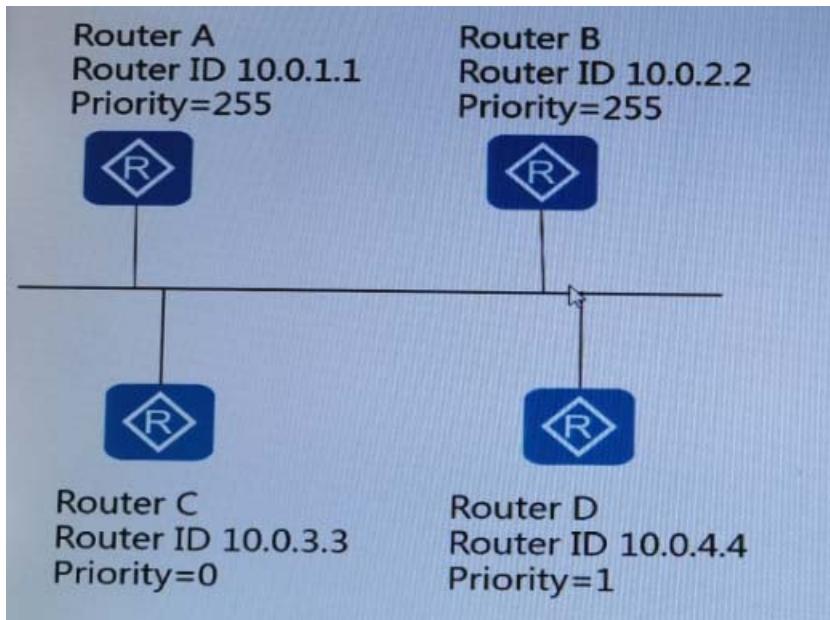
28. In the network shown in the figure below, the router receives a data packet with a destination IP address of 11.0.12.1 from host A. After this data packet is forwarded by the router, what are the destination MAC and destination IP?



- A.MAC-C, 11.0.12.1
- B.MAC-D, 10.0.12.2
- C.MAC-D, 11.0.12.1
- D.MAC-B, 11.0.12.1

**Answer:**C

29. In the network shown in the figure below, assuming that all routers enable the OSPF protocol at the same time, which router is the BDR in this network?



- A.Router D
- B.Router B
- C.Router C
- D.Router A

**Answer:D**

30. There are multiple route entries to the same destination network in the routing table. These routes are called:

- A. Sub-optimal routing
- B. Multi-path routing
- C. Default route
- D. Equal cost routing

**Answer:D**

31. The function of OSPF hello message is (). (Multiple Choice)

- A. Neighbor discovery
- B. Maintain neighbor relations
- C. Update LSA information
- D. Synchronize the LSDB of the router

**Answer:AB**

32. The broadcast address is a special address in which the host bits in the network address are all set to 1, and it can also be used as a host address.

- A.True
- B.False

**Answer:B**

33. Which of the following cannot be the length of the IPv4 packet header?

- A.32B

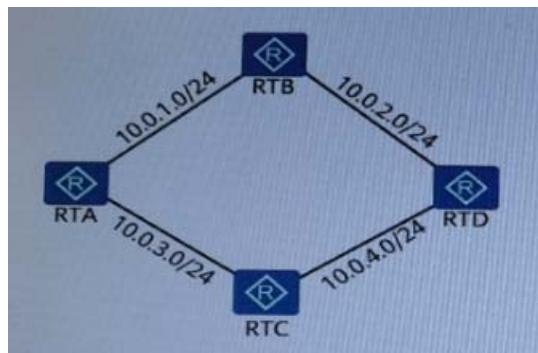
B.60B

C.20B

D.64B

**Answer:D**

34.In the network shown in the figure below, all links are Ethernet links, and all interfaces of all routers run OSPF protocol, how many DRs are elected in the entire network?



A.4

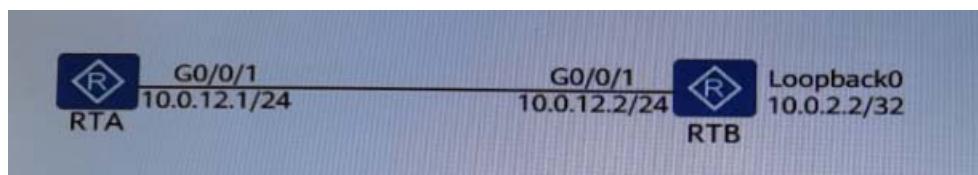
B.1

C.3

D.2

**Answer:A**

35.In the network shown in the figure below, if Router A and Router B's loopback 0 communicate through static routing, which command needs to be entered on Router A?



A.ip route-static 10.0.2.2 0 GigabitEthernet 0/0/0

B.ip route-static 10.0.2.2 32 GigabitEthernet 0/0/0

C.ip route-static 10.0.2.2 255.255.255.255 10.0.12.1

D.ip route-static 10.0.2.2 255.255.255.255 10.0.12.2

**Answer:D**

36.What is the priority value of the direct route entry?

A.0

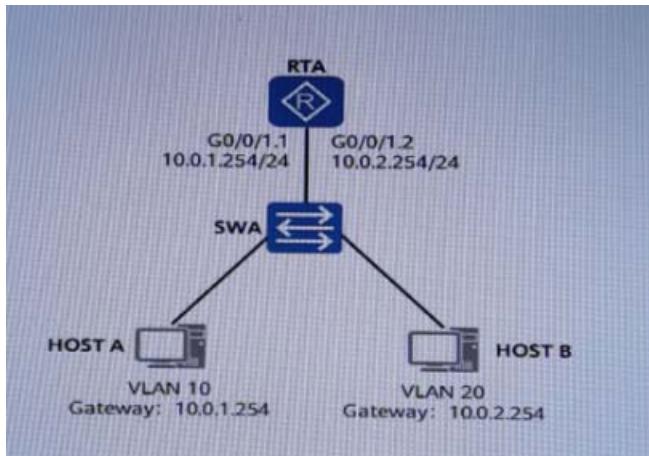
B.30

C.10

D.20

**Answer:A**

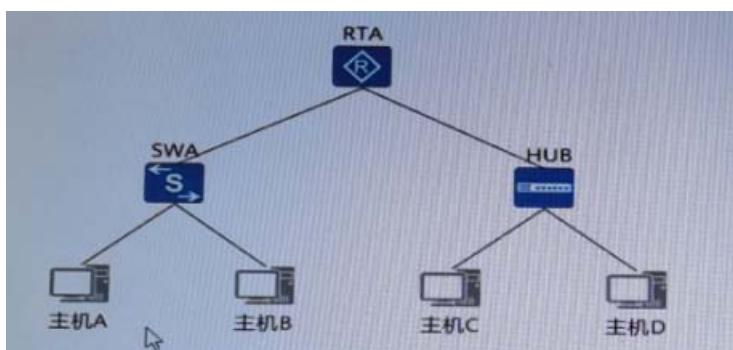
37.As shown in the figure, if host A and host B want to achieve inter-VLAN communication through single-arm routing, which configuration should be done under the G0/0/1.1 interface of RTA?



- A.dot1q termination vid 30
- B.dot1q termination vid 20
- C.dot1q termination vid 10
- D.dot1q termination vid 40

**Answer:C**

38. As shown in the figure, the correct description of this network topology is ().



- A. There are 6 collision domains in this network
- B. There are 2 broadcast domains in this network
- C. There are 6 broadcast domains in this network
- D. There are 12 conflict domains in this network

**Answer:B**

39. The network administrator created VLAN 10 on the Layer 3 switch and configured an IP address under the virtual interface of the VLAN. When the command "display ip interface brief" is used to check the port status, it is found that the VLANIF 10 interface is in the down state. What should be done to restore the VLANIF 10 interface to normal?

- A. Add an interface that must be Up and must be of type Trunk into VLAN 10
- B. Assign any physical interface to VLAN 10
- C. Assign a physical interface that must be Up to VLAN 10
- D. Use the command "undo shutdown" under VLANIF 10 interface

**Answer:D**

40. The output information of the sub-interface of a router aggregate port 1 is shown in the figure. Based

on this information, which of the following statements are correct? (Multiple Choice)

[Router A]display Interface Eth-Trunk 1.100

Eth-Trunk1.100 current state : UP

Line protocol current state : UP

Last line protocol up time : 2019-03-04 10:22:40 UTC -08 :00

Description: HUAWEI, AR Series, Eth-Trunk1.100 Interface

Route Port, Hash arithmetic : According to SIP-XOR-DIP, Maximal BW: 2G, Current BW: 2G, The Maximum Transmit Unit is 1500

Internet Address is 10.0.12.2/24

IP Sending Frames' Format is PKTFIT ETENT 2.Hardware address 1s 00e0-fc3b-2015

Current system time: 2019-03-04 10:24:29 -08:00

Last 300 seconds input rate 0 bits/sec, 0 packets/sec

Last 300 seconds output rate 0 bits/sec, 0 packets/sec

Realtime 0 seconds input rate 0 bits/sec, 0 packets/sec

Realtime 0 seconds output rate 0 bits/sec, 0 packets/sec

Input: 6 packets, 574 bytes,

Output:7 packets, 638 bytes,

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. Two links exist on the aggregate port

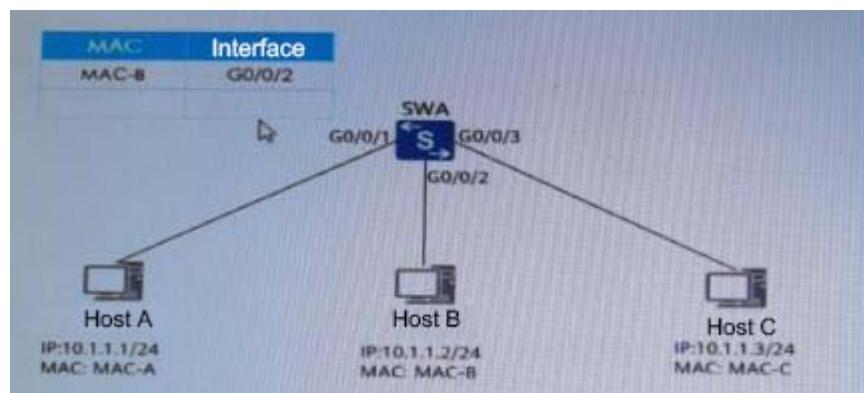
B. The IP address of the sub-interface of the aggregate port is 10.0.12.2/24

C. The sub-interface number of the aggregate port is 100

D. The sub-interface of the aggregate port carries VLAN TAG 100 when forwarding data frames

**Answer:**ABC

41. As shown in the figure below, suppose the MAC address table of SWA is as follows. Now host A sends a data frame with the destination MAC address MAC-B. Which of the following statements is correct?



- A. Forward this data frame only from port G0/0/2
- B. Forward this data frame only from port G0/0/3
- C. STA discards the data frame
- D. Flood this data frame

**Answer:**A

42.Which of the following does not be included in AAA?

- A.Authentication
- B.Accounting
- C.Authorization
- D.Audit

**Answer:**D

43.On Huawei ARG3 series routers, what authentication modes does AAA support? (Multiple Choice)

- A.802.1x **verified**
- B.Local **verified**
- C.None
- D.HWTACACS **verified**

**Answer:**BCD

44. 44.Which of the following protocols consist of the PPP protocol? (Multiple Choice)

- A.LCP
- B.PPPoE
- C.NCP
- D.Authentication protocol

**Answer:** ACD

45.Which of the following statements about Prefix Segment is wrong?

- A. Prefix Segment spreads to other network elements through the IGP protocol, which is globally visible and effective
- B. Prefix Segment needs to be configured manually
- C. Prefix Segment is used to identify a destination address prefix in the network (Prefix)
- D. Prefix Segment can be automatically allocated by IGP

**Answer:** D

46.The output information of a certain device is shown in the figure. Which of the following statements is correct? (Multiple Choice)

<Huawei>display interface G1gabitEthernet 0/0/0

G1gabi tEthernet0/0/0 current state : UP

Line protocol current state : UP

Route Port, The Maximum Transmit Unit is 1000

Internet Address is 10.0.12.2/24

IP Sending Frames' Format is PRTFMT ETENT\_2.Hardware address is 00e0- fc22- 4fff

Port Mode: FORCE COPPER

Speed : 100. Loopback: NONE

Duplex: FULL, Negotiation: DISABLE

Md1 : AUTO

Last 300 seconds input rate 24 bits/sec, 0 packets/sec

Last 300 seconds output rate 24 bits/sec, 0 packets/sec

- A. The IP address of the interface is 10.0.12.2/24
- B. The MAC address of the interface is 00e0-fc22-4fff
- C. The working rate of this interface is 1Gbps
- D. The MTU value of this interface is 1000

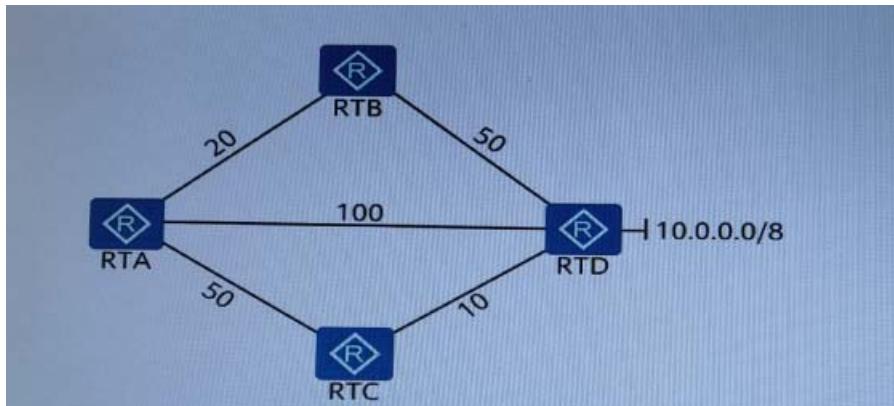
**Answer:** ABD

47. In the OSI reference model, what can complete end-to-end error detection and flow control?

- A. Physical layer
- B. Data link layer
- C. Network layer
- D. Transport layer

**Answer:** D

48. In the network shown in the figure below, all routers run OSPF protocol. Above the link is the value of the Cost value, then the path for RTA to reach the network 10.0.0.0/8 is:



- A.A-B-D
- B.RTA cannot reach 10.0.0.0/8
- C.A-C-D
- D.A-D

**Answer:** C

49. Which of the following statement about static routing in Huawei equipment is wrong?

- A. The cost value (Cost) of the static route cannot be modified.
- B. The default value of the static route priority is 60
- C. The range of the static route priority value is 1-255
- D. When the priority of the static route is 0, the route will definitely be preferred.

**Answer:** C

50. Which of the following statements is correct?

- A. The router works at the physical layer
- B. The switch works at the physical layer
- C. The switch works at the network layer
- D. The router works at the network layer

**Answer:** D

51.On interfaces that use PPP as the data link layer protocol, you can configure static routes by specifying the next hop address or outbound interface.

- A.True
- B.False

**Answer:** A

52.Which of the following description about the Layer 2 Ethernet switch is incorrect?

- A. It is necessary to make certain modifications to the layer 3 header of the forwarded message, and then forward it
- B. Able to learn MAC address
- C. Forward according to the Layer 2 header information of the Ethernet frame
- D. Layer 2 Ethernet switches work at the data link layer

**Answer:** A

53.As shown in the information in the figure, when learning this switch needs to forward the frame with the destination MAC address of 5489-98ec-f011, which of the following description is correct?

<Huawei>display mac-address			
MAC Address	VLAN/VSI	Learned-From	Type
5489-98ec-f018 1/-		GE0/0/13	dynamic
Total items displayed = 1			

- A. The switch will flood the frame on all ports except the port that received the frame
- B. The switch will send a message that the destination is unreachable to the source device
- C. The switch does not find a matching entry in the MAC address table, so it will discard the frame
- D. The switch needs to send a request to discover the device with the MAC address of 5489 98ec-f011

**Answer:** A

54.What is the range of VLAN ID that users can use?

- A.1-4096
- B.1-4094
- C.0-4096
- D.0-4095

**Answer:** B

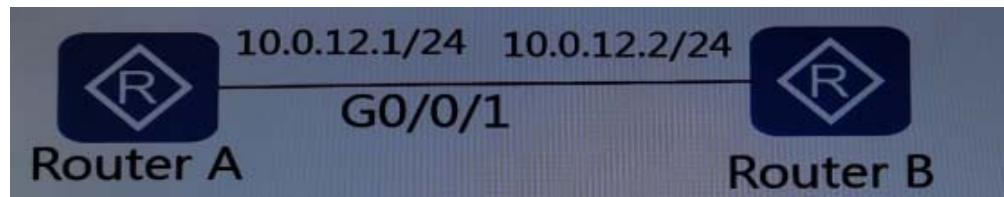
55.By default, in the SNMP protocol, which port number does the agent process use to send alarm messages to NS?

- A.164

- B.163
- C.162
- D.161

**Answer:** C

56. As shown in the figure below, router A has Telnet router B through IP address 10.0.12.2. In the current interface, which of the following operations will cause the Telnet session of Router A and Router B to be interrupted? (Multiple Choice)



- A. Modify the IP address of G0/0/1 interface
- B. Close G0/0/1 interface
- C. Configure static routing
- D. Enable OSPF protocol under G0/0/1 interface

**Answer:** AB

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

- A.23
- B.24
- C.21
- D.22

**Answer:** C

58. There is no channel overlap in the 14 available frequency bands in the 2.4GHz frequency band.

- A.True
- B.False

**Answer:** B

59. After the link authentication is completed, the STA will continue to initiate link service negotiation. Which of the following messages is used to achieve the specific negotiation?

- A.Join
- B.Handshake
- C.Association **verified**
- D.Negotiate

**Answer:** D

60. The Layer 2 networking of WLAN means that the STA uses the AC as its gateway.

- A.True
- B.False

**Answer:** A

61.What is the IEEE802.11 standard corresponding to Wi-Fi6?

- A.802.11au
- B.802.11ax
- C.802.11at
- D.802.11ac

**Answer:** B

62.Which of the following working modes are supported by Huawei Enterprise AP? (Multiple Choice)

- A.Local
- B.Cloud **verified**
- C.FIT **verified**
- D.FAT **verified**

**Answer:** CD

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

- A. Adjacency Segment is identified by Adjacency Segment ID (SID)
- B. Adjacency Segment spreads to other network elements through IGP protocol, which is visible globally and effective locally
- C. Adjacency Segment must be configured manually
- D. Adjacency Segment is used to identify an adjacency of a node in the network

**Answer:** C

64.If during the PPP authentication process, the authenticatee sends the wrong user name and password to the authenticator, what type of message will the authenticator send to the authenticatee?

- A.Authenticate-Reject
- B.Authenticate-Ack
- C.Authenticate-Nak
- D.Authenticate-Reply

**Answer:** C

65.Which version of the SNMP protocol below supports encryption features?

- A.SNMPv3
- B.SNMPv2c
- C.SNMPv1
- D.SNMPv2

**Answer:** A

66.SNMPv1 defines 5 protocol operations.

- A.True
- B.False

**Answer:** A

67.The IPv6 address 2001:ABEF:224E:FFE2:BCC0:CD00:DDBE:8D58 cannot be abbreviated.

- A.True

B.False

**Answer:** A

68.The DHCPv6 server supports providing other configuration information such as DNS server address for the host.

A.True

B.False

**Answer:** A

69.Which planes of the following does a network device have? (Multiple choice)

A. Control plane **verified**

B. Business plane

C. Data plane **verified**

D. Management plane **verified**

**Answer:** AC

70.Virtualization is the basis for the realization of NEV. Which of the following statements about the characteristics of virtualization is correct? (Multiple choice)

- A. Hardware independence: virtual machine and hardware decoupling, support virtual machine migration between servers.
- B. Encapsulation: All virtual machines share the operating system, and encapsulation is achieved through name spaces.
- C. Isolation: The virtual machines on the same physical server are isolated from each other.
- D. Partition: You can run multiple virtual machines on a single physical server at the same time.

**Answer:** ACD

71.The output information of the router R1 routing table is shown in the figure. Which of the following statements is correct? (Multiple Choice)

<R1>display ip routing-table						
Route Flags: R - relay, D - download to fib						
Routing Tables: Public						
Destinations : 13 Routes : 13						
Destination/Mask	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	Ethernet0/0/0
10.0.2.0/24	Static	60	0	RD	10.0.18.3	Ethernet0/0/2
10.0.2.2/32	OSPF	10	50	RD	10.0.21.2	Ethernet0/0/1

- A. The router will discard data packets whose destination network is 11.0.0.0/8
- B. The router will forward data packets whose destination network is 12.0.0.0/8
- C. The data packet whose destination network is 11.0.0.0/8 will be forwarded from the router's GigabitEthernet0/0/0 interface
- D. The data packet whose destination network is 12.0.0.0/8 will be forwarded from the router's Ethernet0/0/0 interface

**Answer:** BC

72.Which of the following description about the Router ID of OSPF is incorrect? (Multiple Choice)

- A. Router ID must be the IP address of an interface on the router
- B. The prerequisite for the normal operation of the OSPF protocol is that the router has a Router ID
- C. The Router ID must be manually configured
- D. The Router ID must be the same in the same area, and the Router ID in different areas can be different

**Answer:** ABCD

73.Which of the following statements about direct routing is correct?

- A. Direct routing requires the administrator to manually configure the destination network and the next-hop address
- B. Direct route has lower priority than static route
- C. Direct route priority is lower than dynamic route
- D. Direct routing has the highest priority

**Answer:** D

74.What are the advantages of the OSPF protocol? (Multiple Choice)

- A. Division of support areas
- B. OSPF supports load sharing for equal-cost routes
- C. OSPF supports message authentication
- D. OSPF supports type-less inter-domain routing (CIDR)

**Answer:** ABCD

75.The route entry 10.0.0.24/29 may be aggregated from which of the following subnet routes? (Multiple Choice)

- A.10.0.0.26/30 **verified**
- B.10.0.0.23/30
- C.10.0.0.24/30 **verified**
- D.10.0.0.28/30 **verified**

**Answer:** CD

76.When two OSPF routers form a 2-WAY neighbor relationship, the LSDB has been synchronized.

- A.True
- B.False

**Answer:** B

77.If the Proto of a certain route information in the routing table is Direct, the priority of this route is set to 0.

- A.True
- B.False

**Answer:** A

78.What are the network types supported by the OSPF protocol? (Multiple Choice)

- A.Point-to-Point
- B.Non-Broadcast Multi-Access
- C.Point-to-Multipoint

## D.Broadcast

**Answer:** ABCD

79.The election of the root switch in STP only compares the switch priority, while in RSTP, the switch priority and MAC address are compared at the same time.

A.True

B.False

**Answer:** B

80.Which of the following is not the reason for RSTP improving the convergence speed?

A. Introduction of edge ports

B. Fast switching of the root port

**C. P/A mechanism** **verified**

D. Forward Delay canceled

**Answer:** D

81.The IP addresses of the VLANIF interfaces of the same switch cannot be the same.

A.True

B.False

**Answer:** A

82.The MAC address table of the existing switch is shown in the figure. Which of the following statements are correct?

<Huawei>display mac-address					
MAC address table of slot 0:					
MAC Address	VLAN/ VSI/SI	PEVLAN CEVLAN	Port	Type	LSP/LSR-ID MAC-Tunnel
5489-9811-0b49 1	-	-	Eth0/0/3	static	-
Total matching items on slot 0 displayed = 1					
MAC address table of slot 0:					
MAC Address	VLAN/ VSI/SI	PEVLAN CEVLAN	Port	Type	LSP/LSR-ID MAC-Tunnel
5489-989d-1d30 1	-	-	Eth0/0/1	dynamic	0/-
5489-9885-18a8 1	-	-	Eth0/0/2	dynamic	0/-
Total matching items on slot 0 displayed = 2					

- A. When the switch restarts, the MAC address learned by port Eth0/0/2 does not need to be relearned
- B. When the switch restarts, the MAC address learned by port Eth0/0/3 needs to be learned again
- C. The data frame with the source MAC address of 5489-9811-0b49 and the destination MAC address of 5489-9894-1d30 received from the port is forwarded from the Eth0/0/2 port
- D. The data frame with the source MAC address of 5489-9885-18a8 and the destination MAC address of 5489-989d-1d30 received from the port is forwarded from the Eth0/0/1 port

**Answer:** D

83.The MAC address table of a certain switch is shown in the figure. If the switch receives a data frame with a destination MIAC of 5489-9885-18a8 from port Eth0/0/2, which of the following statements is correct?

MAC address table of slot 0:						
MAC Address	VLAN/ VSI/SI	PEVLAN	CEVLAN	Port	Type	LSP/LSR-ID MAC-Tunnel
5489-9885-18a8 1	-	-	Eth0/0/2	Eth0/0/2	dynamic	0/-
5489-989d-1d30 1	-	-	Eth0/0/1	Eth0/0/1	dynamic	0/-
Total matching items on slot 0 displayed = 2						

- A. Forward this data frame from Eth0/0/1 port
- B. Flood this data frame
- C. Discard this data frame
- D. Forward this data frame from the Eth0/0/2 port

**Answer:** D

84. The switch GO/0/1 port configuration information is shown in the figure. Which VLAN data frame does the switch forward without VLAN TAG?

#

```
interface GigabitEthernet0/0/1
port link-type trunk
port trunk pvid vlan 10
port trunk allow-pass vlan 10 20 3040
```

- #
- A.10
- B.30
- C.20
- D.40

**Answer:** A

85. When the Access type port sends a message, it will () .

- A. Send messages with tag
- B. Strip the VLAN information of the message, and then send it out
- C. Type the PVID information of this port, and then send it out
- D. Add the ZLAN message of the message, and then send it out

**Answer:** B

86. The configuration information of a certain port of the switch is shown in the figure, then this port carries VLAN TAG when sending data frames carrying which VLAN?

```
interface GigabitEthernet0/0/1
port hybrid tagged vlan 2 to 3 100
port hybrid untagged vlan 4 6
#
A.1,2,3,100
B.2,3,100
C.1,2,3,4,6,100
D.2,3,4,6,100
```

**Answer: B**

87.What is the value of the Type field in the RStp configuration BPDU message?

- A.Ox01
- B.ox00
- C.ox02
- D.ox03

**Answer: C**

88.The Priority field in the VLAN tag can identify the priority of the data frame. What is the range of this priority?

- A.0-15
- B.0-63
- C.0-3
- D.0-7

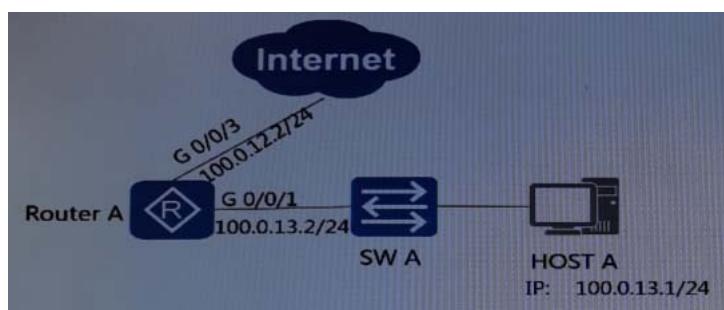
**Answer: D**

89.What elements can NAPT convert?

- A. Only MAC address
- B. IP address + port number
- C. MAC address + port number
- D. Only IP address

**Answer: B**

90.In the network shown in the figure below, from a security perspective, router A refuses to receive OSPF packets and ICMP packets received from the G0/0/1 interface. Which of the following commands can achieve this requirement? (Multiple Choice)

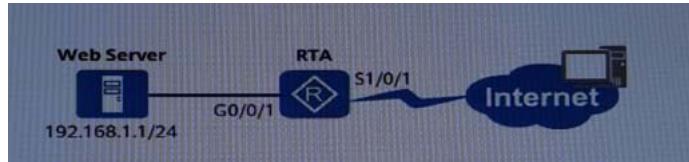


- A.acl number 300o  
rule 5 deny ospf  
rule 10 deny icmp  
#  
interface GigabitEthernet0/0/1  
traffic-filter inbound ac1 300o  
#
- B.acl number 2000  
rule 5 deny 89

```
rule 10 deny 1
#
interface GigabitEthernet0/0/1
traffic-filter inbound ac1 2000
#
C.acl number 300o
rule 5 deny 89
rule 10 deny icmp
#
interface GigabitEthernet0/0/1
traffic-filter inbound ac1 30oo
#
D.acl number 3000
rule 5 deny 89
rule 10 deny 1
interface GigabitEthernet0/0/1
traffic-filter inbound ac1 3000
```

**Answer:** ACD

91. As shown in the figure, there is a web server in the private network that needs to provide HTTPS services to public network users. Therefore, the network administrator needs to configure NAT on the gateway router RTA to achieve the requirements. Which of the following configuration can meet the requirement?



- A.[RTA-Gigabitethernet0/0/1]nat server protocol tcp global 192.168.1.1 www inside 202.10.10.18080
- B.[RTA-Seria11/0/1]nat server protocol tcp global 192.168.1.1 www inside 202.10.10.1 8080
- C.[RTA-Gigabitethernet0/0/1]nat server protocol tcp global 202.10.10.1 www inside 192.168.1.18080
- D.[RTA-Serial1/0/1]nat server protocol tcp global 202.10.10.1 www inside 192.168.1.1 8080

**Answer:** D

92. A network engineer prompts the following information when entering the command line:  
Error: Unrecognized command found at ‘^’ position. Which of the prompt information is correct?  
A. The input command is incomplete  
B. Wrong parameter type  
C. No keyword found  
D. Input command is not clear

**Answer:** C

93.<huawei>system-view  
[huawei]command-privilege level 3 view user save  
The correct statement about the above configuration command is:

- A. Modify the user's authority level to 3, and save the configuration
- B. Modify the permission level of the user view command to 3, and save the configuration
- C. Modify the authority level of the save command used by a user to 3
- D. Modify the permission level of the save command in the user view to 3

**Answer:** D

- 94.Which of the following descriptions about the switch is wrong?
- A. The switch can complete the exchange of data frames
  - B. The switch can provide network access services for terminal equipment (PC, Server)
  - C. Switches generally work at the data link layer
  - D. Switches are generally used as network export equipment

**Answer:** D

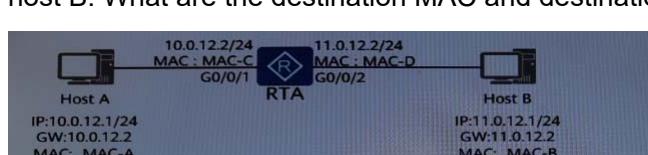
- 95.Which of the following descriptions about firewalls is wrong?
- A. Firewall can realize user identity authentication
  - B. Firewall can realize access control between different networks
  - C. Firewall can isolate networks with different security levels
  - D. The firewall cannot achieve network address translation

**Answer:** D

- 96.What kind of message does the OSPF protocol use to discover and maintain neighbor relationships?
- A.DD
  - B.LSR
  - C.LSU
  - D.HELLO
- Answer:** D

- 97.On the VRP platform, the default protocol priority of routes in the direct routing, static routing, RIP, OSPF area is:
- A. Direct routing,OSPF,Static routing,RIP
  - B. Direct routing,Static routing,RIP,OSPF
  - C. Direct routing,RIP,Static routing,OSPF
  - D. Direct routing,OSPF,RIP,Static routing
- Answer:** A

- 98.In the network shown in the figure below, the host has an ARP cache, and host A sends a packet to host B. What are the destination MAC and destination IP of this packet?



- A.MAC-B,11.0.12.1
- B.MAC-D,11.0.12.1
- C.MAC-C,10.0.12.2

D.MAC-A,11.0.12.1

**Answer:** B

99. On Huawei routers, what is the default value of the OSPF protocol internal routing priority?

- A.20
- B.10
- C.30
- D.0

**Answer:** B

100. Now there are the following four segments: 10.24.0.0/24, 10.24.1.0/24, 10.24.2.0/24, 10.24.3.0/24, which route can point to these four network segments at the same time? (Multiple Choice)

- A.10.24.1.0/23
- B.0.0.0.0/0
- C.10.24.0.0/22
- D.10.24.0.0/21

**Answer:** BCD

101. Which fields in the IPv4 header are related to fragmentation? (Multiple Choice)

- A.TTL
- B.Fragment Offset
- C.Identification
- D.Flags

**Answer:** BCD

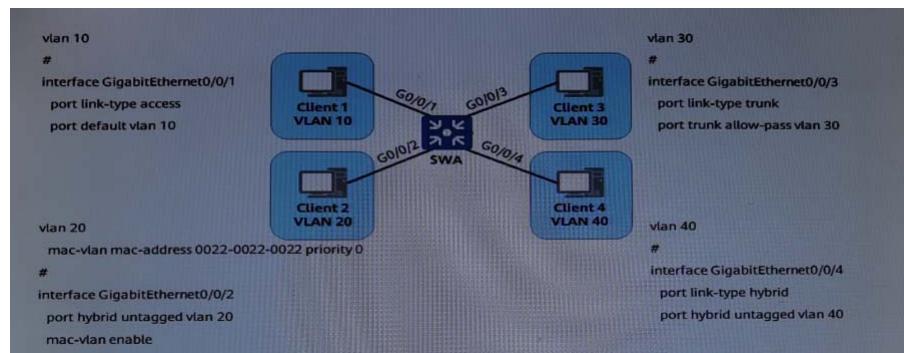
102. As shown in the figure below, which of the following statements are correct?



- A. Host A can ping host B
- B. Host A and Host B cannot obtain each other's MAC address
- C. The following entry 10.0.12.5 MAC-B exists in the ARP cache of host A
- D. The broadcast address of host A and host B are the same

**Answer:** B

103. As the figure shown: (Multiple Choice)



- A. Client3 belongs to VLAN30, and the command for dividing VLAN on the switch is correct
- B. Client4 belongs to VLAN40, and the command for dividing VLAN on the switch is correct
- C. Client2 belongs to VLAN20, and the switch based on the MAC address division command is correct
- D. Client1 belongs to VLAN10, and the command for dividing VLAN on the switch is correct

**Answer:** BCD

104.The load sharing mode at both ends of the Eth-Trunk can be inconsistent.

- A.TRUE
- B.FALSE

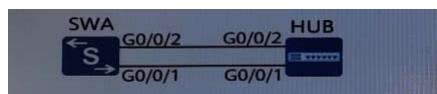
**Answer:** B

105. When Huawei switches allow STP, the priority of the switch is by default:

- A.32768
- B.8192
- C.16384
- D.4096

**Answer:** A

106.As shown in the figure, the switch runs STP with default parameters, which of the following ports will be elected as the designated port?



- A. G0/0/1 port of switch A
- B. Port G0/0/2 of switch A
- C. HUB's G0/0/1 port
- D. HUB's G0/0/2 port

**Answer:** A

107.What is the Solicited-node multicast address corresponding to IPv6 address 2019:: 8:AB?

- A.FF02:: 1:: FF08: AB
- B.FF02:: FF08: AB
- C.FF02:: 1:: FF20: 19
- D.FF02:: 1:: FE08: AB

**Answer:** A

108.For the description of the PPP link establishment process, which of the following statement is wrong?

- A. In the Establish phase, the PPP link performs LCP parameter negotiation. The negotiation content includes the maximum receiving unit MRU, authentication method, magic word and other options.
- B. After the NCP negotiation is successful, the PPP link will maintain the communication state and enter the Terminate phase.
- C. The Dead phase is also called the physical layer unavailable phase. When the two ends of the communication detect that the physical line is activated, they will migrate from the Dead phase to the Establish phase, which is the link establishment phase.

- D. In the Network phase, the PPP link performs NCP negotiation. Select and configure a network layer protocol through NCP negotiation, and negotiate network layer parameters
- E. PPP link supports half-duplex and full-duplex modes

**Answer:** B

109.Which statement about SNMP protocol is correct?

- A. SNMP uses UDP as the transport layer protocol
- B. SNMP uses ICMP as the network layer protocol
- C. SNMP protocol uses multicast to send management messages
- D. The SNMP protocol only supports the sending of flash management messages on the Ethernet link

**Answer:** A

110. Which of the following commands can be used to view the router's CPU usage?

- A.display cpu-state
- B.display interface
- C.display memory
- D.display cpu-usage

**Answer:** D

111. Which of the following messages are used for IPv6 stateless address autoconfiguration? (Multiple Choice)

- A.NS
- B.RA verified**
- C.NA verified**
- D.RS

**Answer:** BD

112. Which of the following IPv6 addresses is a multicast address?

- A.FE80:: 2E0: FCFF: FEEF: FEC
- B.FC00:: 2E0: FCFF: FEEF: FEC
- C.FF02:: 2E0: FCFF: FEEF: FEC
- D.2000:: 2E0: FCFF: FEEF: FEC

**Answer:** C

113.Which of the following statements about IPv6 address configuration are correct? (Multiple Choice)

- A. IPv6 supports stateless automatic configuration
- B. IPv6 address supports automatic configuration in multiple ways
- C. IPv6 supports DHCPv6 for address configuration
- D. IPv6 address can only be configured manually

**Answer:** ABC

114.A device has been configured to complete the Telnet configuration. The device login address is 10.1.1.10. The Telnet user name is admin and the password is Huawei@123. Which of the following is the correct way to log in to this device using telnetlib?

- A.telnetlib.Telnet (10.1.1.0,23,admin,Huawei@123)
- B.telnetlib.Telnet (10.1.1.0)
- C.telnetlib.Telnet (10.1.1.0,23, Huawei@123)
- D.telnetlib.Telnet (10.1.1.0,admin)

**Answer:** A

115.The classic network forwarding method is based on router routing table forwarding. The forwarding method of OpenFlow switches is based on flow table forwarding. Which of these two forwarding methods are correct? (Multiple Choice)

- A. The routing table is of fixed length. A device can only have one public routing table
- B. The flow table is variable length. A network device can only have one flow table
- C. The matching method of the flow table is to match the MAC address and IP address of the traffic at the same time
- D. The matching method of the address table is to match the route of the destination network segment with the longest mask

**Answer:** ACD

116.The router running OSPF can reach the FULL state after LSDB synchronization is completed.

**A.TRUE** Verified same as Q 369

**B.FALSE**

**Answer:** B

117.In the OSPF broadcast network, which routers will a Dohter router exchange link state information with? (Multiple Choice)

- A. BDR
- B. All OSPF neighbors
- C. DR Other
- D. DR

**Answer:** AD

118.Which of the following IPv4 addresses the host uses cannot directly access the Internet?

- A.100.1.1.1
- B.50.1.1.1
- C.10.1.1.1
- D.200.1.1.1

**Answer:**C

119.What kind of message does the OSPF protocol use to confirm the received LSU message?

- A.LSU
- B.LSR
- C.LSACK
- D.LSA

**Answer:**C

120.The link aggregation interface can only be used as a Layer 2 interface.

- A.TRUE
- B.FALSE

**Answer:B**

121.The RSTP protocol uses the P/A mechanism to speed up the speed of the upstream port to the Forwarding state, but what is the reason why there is no temporary loop?

- A. Speed up port role election
- B. Through the synchronization mechanism to ensure that no temporary loop occurs
- C. Edge ports are introduced
- D. Shorten the time of Forward Delay

**Answer:B**

122.Which of the following statements about router-on-a-stick are correct? (Multiple Choice)

- A. Use only one physical link connection between the switch and the router
- B. Need to create a sub-interface on the router
- C. One physical connection per VLAN
- D. On the switch, configure the port connected to the router as a Trunk port, and allow frames of the relevant VLAN to pass

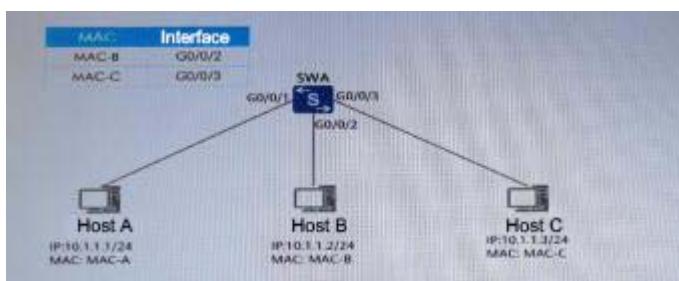
**Answer:ABD**

123.After the system restarts the static MAC address table, the saved entries will not be lost.

- A.TRUE
- B.FALSE

**Answer:A**

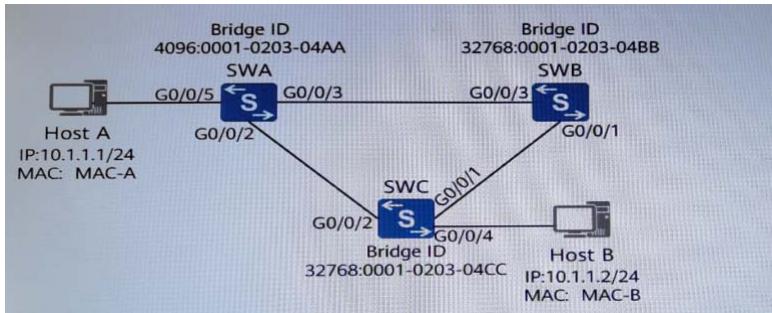
124.As shown in the figure below, the MAC address table of SWA is as follows. The switch can't learn the MAC address of HOST A all the time. Which of the following is impossible?



- A. The G0/0/1 port of the switch has disabled MAC address learning
- B. SWA turns off the MAC address learning function of the VLAN to which host A belongs
- C. HOST A did not send any data frames
- D. The G0/0/1 port of the switch is set to ACCESS mode

**Answer:D**

125.As shown in the network below, all switches enable STP protocol. Disable SWA's G0/0/2 port configuration BPDU sending function, SWC G0/0/1 re-converges to become the root port, about this process, which of the following statements are correct? (Multiple Choice)



- A. SWC sends TCN BPDU message to SWB
- B. SWB forwards TCN BPDU to SWA
- C. SWB sends configuration BPDU with TCA set to SWC
- D. SWA sends configuration BPDU with TC set

**Answer:** ABCD

126.In standard STP mode, which of the following non-root switches will forward the TC set BPDU generated by the root switch?

- A. Designated port **verified**
- B. Root port
- C. Backup port
- D. Preparation port

**Answer:**B

127.The router Radius information configuration is shown in the figure. Which of the following statement is correct? (Multiple Choice)

```
# radius-server template huawei
radius-server shared-key cipher huawei
radius-server authentication 200.0.12.1 1812
radius-server accounting 200.0.12.1 1813
radius-attribute nas-ip 200.0.12.2
#
```

- A. The source IP source address of the Radius packet sent by the router is 200.0.12.2
- B. The IP address of the accounting server is 200.0.12.1
- C. The IP address of the authorization server is 200.0.12.1
- D. The IP address of the authentication server is 200.0.12.1

**Answer:** BD

128.if a windows host is started for the first time, if the IP address is obtained by DHCP, then what is the source IP address of the first packet sent by this host?

- A.127.0.0.1
- B.169.254.2.33
- C.0.0.0.0
- D.255.255.255.255

**Answer:**C

129.In order to implement the FIT AP online, the FIT AP first needs to obtain the IP address of the AC. Which of the following is not included in the method of obtaining the IP address of the AC by the FIT AP?

- A. Broadcasting method
- B. Static designation method on AP
- C. Multicast mode **Verified**
- D. DHCP Option mode

**Answer:**A

130.How to add AP on AC? (Multiple Choice)

- A. Add online
- B. Automatically discover AP
- C. Import AP offline
- D. Manually confirm APs in the uncertified list

**Answer:** ABC

131.Which of the following messages is used by AP to request software version from AC?

- A.VRP System Request
- B.Software Request
- C.Image Data Request
- D.Image package Request

**Answer:** C

132.The IEEE 802.11ac standard only supports the 5GHz frequency band.

- A.TRUE
- B.FALSE

**Answer:** B

133.To query the configuration information of the device's OSPF protocol, which of the following commands can be used? (Multiple Choice)

- A.display ospf peer
- B. Enter the command "display this" in the OSPF protocol view
- C.display current-configuration
- D.dis ip routing-table

**Answer:** BC

134.Which of the following does not include in VRP system login method?

- A.Telnet
- B.Netstream
- C.SSH
- D.web

**Answer:**B

135.In which view can the administrator modify the device name for the router?

- A.User-view
- B.Protocol-view
- C.System-view

D.Interface-view

**Answer:C**

136.If the transport layer protocol is UDP, the value of the network layer Protocol field is 6.

A.True

**B.False** **verified**

**Answer:A**

137.If the application layer protocol is Te1net, what is the value of the Protocol field in the IPv4 header?

A.23

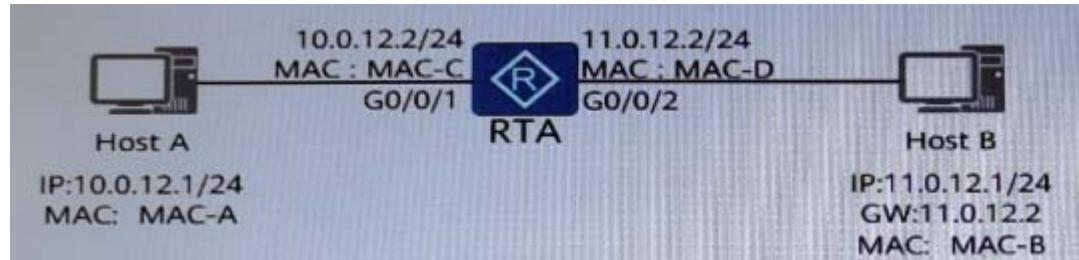
B.17

C.6

D.67

**Answer: A**

138.In the network shown in the figure below, host A is not configured with a gateway, and host B has the ARP cache of the gateway. Use the command ping 11.0.12.1 on host A. Which of the following statements are correct?



- A. No data packets will be sent from host A
- B. The IP address of the data packet sent by host A is 11.0.12.1
- C. The destination MAC address of the data frame sent by host A is MAC-C
- D. The destination MAC address of the data frame sent by host A is MAC-B

**Answer: A**

139.Which layer of the OSI reference model does the router work at?

- A. Data link layer
- B. Transport layer
- C. Application layer
- D. Network layer

**Answer:D**

140.VRP operating platform, which of the following commands can only view static routes?

- A.display ip routing-table statistics
- B.display ip routing-table verbose
- C.display ip routing-table
- D.display ip routing-table protocol static

**Answer:D**

141.Which OSPF version below is suitable for IPv6?

- A.OSPFv1
- B.OSPFv2
- C.OSPFv3
- D.OSPFv4

**Answer:C**

142.ip route-static 10.0.2.2 255.255.255.255 10.0.12.2 preference 20. Which is correct about this command? (Multiple Choice)

- A. The NextHop of this route is 10.0.12.2
- B. The priority of this route is 20
- C. This route can guide the forwarding of packets with the destination IP address 10.0.2.2.
- D. This route can guide the forwarding of packets with the destination IP address 10.0.12.2

**Answer:ABC**

143.What are the following characteristics of the default VLAN in the Layer 2 Ethernet switch? (Multiple Choice)

- A. The default VLAN cannot be deleted manually
- B. By default, all ports of the switch are member ports of the default VLAN
- C. A default VLAN must be created before it can be assigned a port
- D. The IP address configured on the switch will only be applied to the member ports of the default VLAN

**Answer:ABD**

144.Switch stacking supports more than two devices. Through stacking, multiple switches can be grouped into one logical device.

A.True

B.False

**Answer:A**

145.On which layer of the OSI reference model does the Ethernet switch work?

- A. Network layer
- B. Data link layer
- C. Physical layer
- D. Transport layer

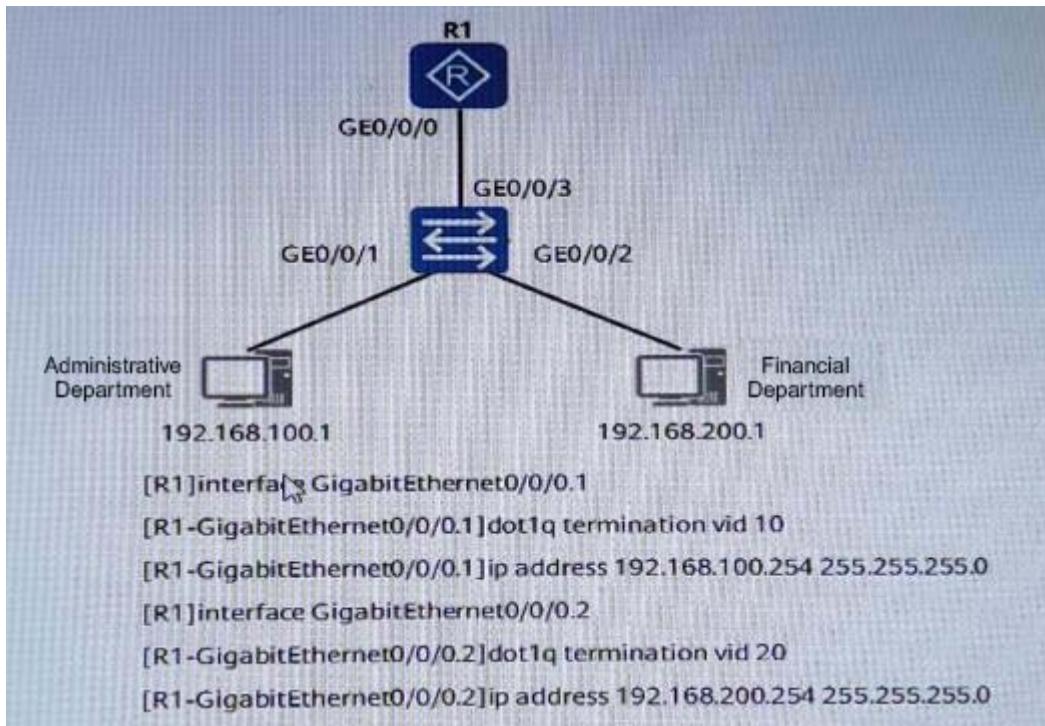
**Answer:B**

146.The bridge ID of the STP protocol in the switching network is as follows. Which of the following bridge ID switches will become the root bridge?

- A.4096 00-01-02-03-04-DD
- B.32768 00-01-02-03-04-AA
- C.32768 00-01-02-03-04-CC
- D.32768 00-01-02-03-04-BB

**Answer:A**

147.Refer to the route-in-a-stick configuration in the figure below, it can be judged that the administrative department and the financial department can communicate with each other even if the ARP proxy is not enabled on the R1 sub-interface.



A.True

B.False

**Answer:A**

148.Link aggregation is a common technology in enterprise networks. Which of the following descriptions are the advantages of link aggregation technology? (Multiple Choice)

- A. Improve safety
- B. Realize load sharing
- C. Increase bandwidth
- D. Improve reliability

**Answer:BCD**

149.The network administrator configures the Huawei router RTA as shown in the figure. If a user needs to be authenticated in the authentication domain "huawei", the correct description below is ().

```

[RTA]aaa
[RTA-aaa]domain Huawei
RTA-aaa-domain-huawei]authentication-s scheme au1
[RTA-aaa-domain-huawei]authentication-scheme au2

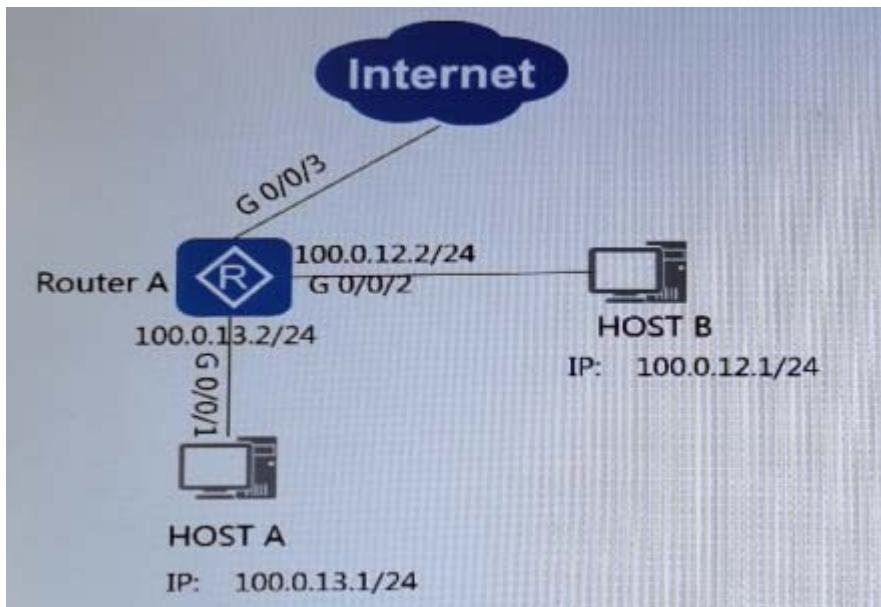
```

- A. "authentication-scheme au1" authentication will be used, if "au1" is deleted, "au2" authentication will be used
- B. Will use "au2" authentication and will use "authentication-scheme au1" authentication
- C. Will use "authentication-scheme au2" authentication** **verified**

D. "authentication-scheme au2" authentication will be used, if "au2" is registered, "au1" authentication will be used

**Answer:** A

150. In the network shown in the figure, which of the following configurations can realize that host A can access the Internet, but host B can not? (Multiple Choice)



A.

```
acl number 2000
rule 5 deny source 100.0.12.0 0.0.0.255
rule 10 permit source 100.0.13.0 0.0.0.255
#
```

```
Interface GigabitEthernet0/0/3
traffic-filter outbound ac1 2000
#
```

B.

```
acl number 2000
rule 5 deny source 100.0.12.0 0.0.0.255
rule 10 permit
#
```

```
Interface GigabitEthernet0/0/3
traffic-filter outbound ac1 2000
#
```

C.

```
acl number 2000
rule 5 permit source 100.0.12.0 0.0.0.255
rule 10 deny source 100.0.13.0 0.0.0.255
#
Interface GigabitEthernet0/0/3
traffic-filter outbound ac1 2000
```

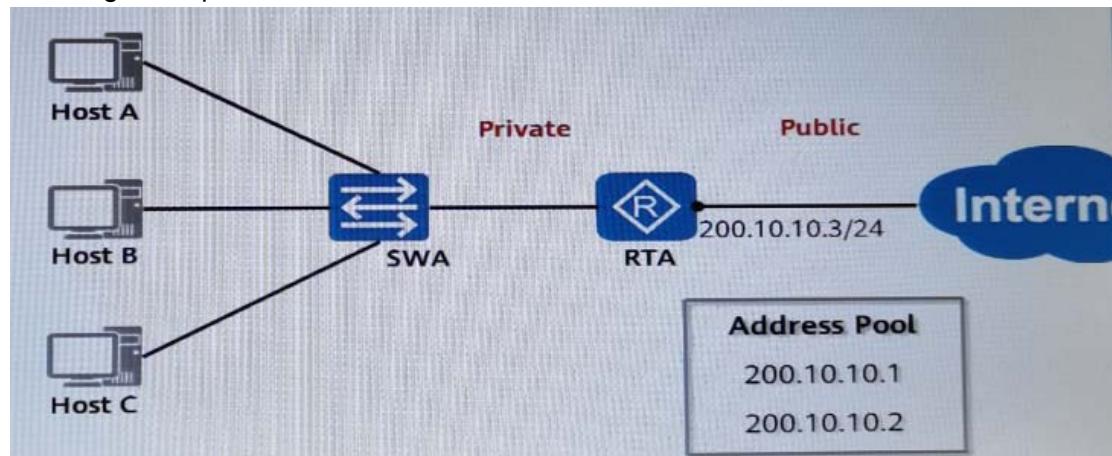
```

#
D.
acl number 2000
rule 5 permit source 100.0.12.0 0.0.0.255
rule 10 deny
#
Interface GigabitEthernet0/0/3
traffic-filter outbound ac1 2000
#

```

**Answer:** AB

151. As shown in the figure, RTA uses NAT technology and realizes multiple-to-multiple NAPT address translation by defining an address pool, so that hosts in the private network can access the public network. Suppose that there are only two public IP addresses in the address pool, and they have been assigned to hosts A and B for address conversion, and if host C also wants to access the public network, which of the following description is correct?



- A. Host C cannot be assigned a public network address and cannot access the public network
- B. All hosts can access the public network by using the public network address in turn
- C. RTA converts the source port of host C, and host C can access the public network
- D. RTA assigns the interface address (200.10.10.3) to host C, host C can access the public network

**Answer:** C

152. The correct description of the information as shown in the figure is () .

[R1]display interface go/0/o

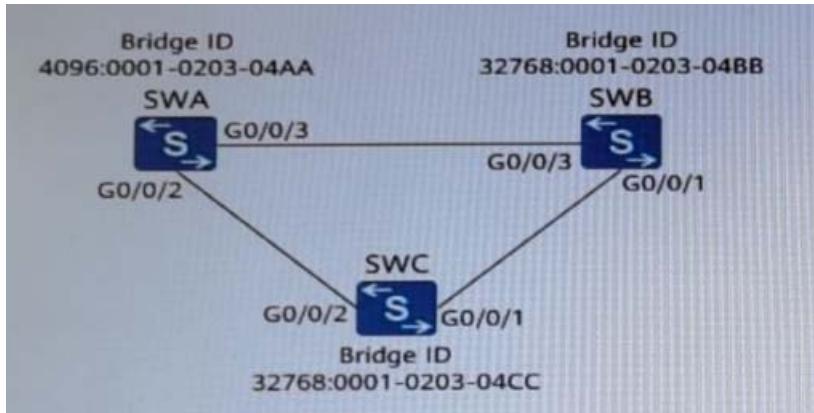
GigabitEthernet0/0/0 current state: Administratively DOWN Line protocol current state: DOWN

- A. The GigabitEthernet 0/0/0 interface was manually closed by the administrator
- B. GigabitEthernet 0/0/0 interface does not enable dynamic routing protocol
- C. The GigabitEthernet 0/0/0 interface is not configured with an IP address
- D. GigabitEthernet 0/0/0 interface is connected to a wrong cable

**Answer:** A

153. As shown in the figure below, all switches enable the STP protocol and keep other configurations in their default state. When the network is stable, which of the following statements are correct? (Multiple

Choice)



- A. Both ports of SWB are in Forwarding state
- B. SWB is the root bridge in this network
- C. SWA is the root bridge in this network
- D. Both ports of SWC are in Forwarding state

**Answer:** AC

154. What is the total length of the IPv6 address in bits?

- A.96
- B.64
- C.32
- D.128

**Answer:** D

155. The IPv4 address assigned by the network administrator to a host in the network is 192.168.1.1/28. How many hosts can be added to the network where this host is located?

- A.12
- B.15
- C.13
- D.14

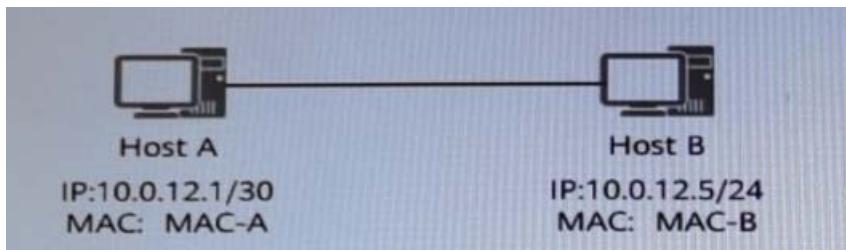
**Answer:** D

156. All ports on the root bridge switch are designated ports.

- A.True
- B.False

**Answer:** A

157. As shown in the figure below, host A and host B cannot communicate.



A.True

B.False

**Answer:** B

158. Which of the following statements about IPv6 multicast addresses are correct? (Multiple Choice)

A. Provide redundant functions for services

B. Realize load sharing of services

C. The packet whose destination address is a multicast address will be sent to the nearest network interface in the sense of routing

D. Multicast addresses and unicast addresses use the same address space

**Answer:** ABC

159. What is the number range of advanced ACL?

A.3000-3999

B.2000-2999

C.4000~~4999

D.6000~6031

**Answer:** A

160. The basic header length of IPv6 packets is a fixed value.

A.True

B.False

**Answer:** A

161. In which of the following network types does the OSPF protocol need to elect DR and BDR? (Multiple choice)

A. Point to multipoint

B. NBMA

C. Point-to-point type

D. Broadcast type

**Answer:** BD

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

A.12h

B.1h

C.24h

D.18h

**Answer:** C

163. When deploying ACL on Huawei devices, which of the following description is correct? (Multiple choice)

A. ACL can match the TCP/UDP port number of the message, and can specify the range of port numbers **verif**

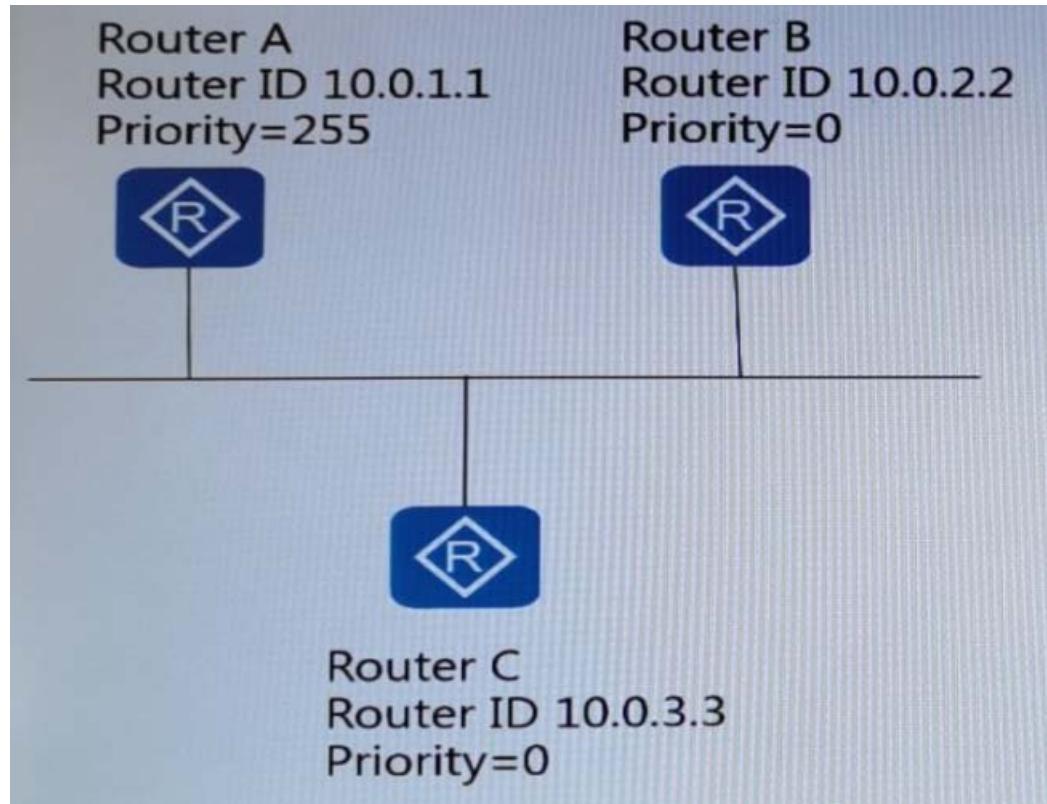
B. The same ACL can be called under multiple interfaces

C. When ACL defines rules, it can only proceed in the order of 10, 20, and 30

- D. ACL cannot be used to filter OSPF traffic, because OSPF traffic does not use UDP protocol encapsulation
- E. When calling ACL under the interface, it can only be applied to the outbound direction

**Answer:** AB

164. In the network shown in the figure below, when the OSPF neighbor status is stable, what is the neighbor status of Router B and Router C?



- A.Attempt
- B.2-way
- C.Fu11
- D.Down

**Answer:** B

165. Which parameter is used in the spanning tree protocol for root bridge election?

- A. Port ID
- B. Bridge priority
- C. Root path cost
- D. Bridge ID Verified

**Answer:** B

166. MIB (Management Information Base) is a virtual database that exists only in NMS.

- A.True
- B.False

**Answer:** B

167. Now it is necessary to implement a Python automation script Telnet to the device to view the device running configuration. Which of the following statements is wrong?

- A. Telnetlib can achieve this function.
- B. Use telnet.Telnet (host) to connect to the Telnet server.
- C. can use telnet.write(b"display current-configuration \n") to input the command to view the current configuration of the device.
- D. telnet.close() is used after a command entered every time, the function is that the user waits for the switch to return information.

**Answer:** D

168. The network administrator of a certain company wants to uniformly divide the users who often access the company network from different switches into VLAN 10 when they frequently change office locations. Which of the following methods should be used to divide VLANs?

- A. Divide VLAN based on protocol
- B. Divide VLAN based on MAC address
- C. Divide VLAN based on port
- D. Divide VLAN based on subnet

**Answer:** D

169. The picture shows the display startup information of AR2200 router. Regarding these information, which of the following statement is wrong?

```
<Huawei>display startup
MainBoard:
  Startup system software:          sd1:/ar2220-v200r003c00spc200.cc
  Next startup system software:      sd1:/ar2220-v200r003c00spc200.cc
  Backup system software for next startup: null
  Startup saved-configuration file:  null
  Next startup saved-configuration file: null
  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. next system startup file system can use the command "startup system software <startup-software-name>" to modify
- B. The running configuration file is not saved
- C. The system file used by the device this time is ar2220-v200r003c00spc00.cc
- D. The system file cannot be modified when the device is started next time

**Answer:**D

170. The administrator plans to implement route backup by configuring static floating routes, what is the correct way to achieve this?

- A. The administrator needs to configure different metric values for the main static route and the standby static route
- B. The administrator needs to configure different TAGs for the main static route and the standby static route

- C. The administrator only needs to configure two static routes
- D. The administrator needs to configure different protocol priority values for the main static route and the standby static route

**Answer:**D

171. There are hosts in a private network that need to access the Internet. In order to achieve this requirement, which of the following configurations should the administrator do on the edge router of the network? (Multiple Choice)

- A. Default route

B.STP

C.DHCP

D.NAT

**Answer:** AD

172. Which of the following descriptions about Trunk port and Access port is correct?

- A. Trunk port can only send untagged frames

**B. Access port can only send untagged frames** Verified same as Q 388

- C. Access port can only send tagged frames

- D. Trunk port can only send tagged frames

**Answer:** A

173. Which of the following statements about the division of OSPF protocol area is wrong?

- A. Area 0 is the backbone area, and other areas must be connected to this area

- B. The LSDBs in the routers in the same OSPF area are completely consistent

- C. Dividing OSPF areas can reduce the LSDB scale of some routers

- D. Only ABR can be used as ASBR

**Answer:** D

174. NFV (Network Functional Virtualization), network function virtualization realizes the deployment of network applications in a software-based way.

A.True

B.False

**Answer:** A

175. UDP cannot guarantee the reliability of data transmission, and does not provide functions such as message sequencing and flow control. It is suitable for flows with low transmission reliability requirements but high transmission speed and delay requirements.

A.True

B.False

**Answer:** A

176. The administrator cannot log in to the Huawei router through Telnet, but other administrators can log in normally, so which of the following are the possible reasons? (Multiple Choice)

**A. The authority level of the administrator user account has been modified to 0** verified

- B. The administrator user account has been disabled **verified**
- C. The Telnet service of the AR2200 router has been disabled
- D. The administrator user account has been deleted **verified**

**Answer:** BD

177. VRP operating system commands are divided into 4 levels: access level, Monitoring level, Configuration level, and Management level. Which level can run various business configuration commands but cannot operate the file system?

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

**Answer:** A

178. Using a traditional landline to make calls is a way of network communication.

- A.True
- B.False

**Answer:** A

179. In the VRP interface, use the command delete vrpcfg.zip to delete a file, which must be emptied in the recycle bin to completely delete the file.

- A.True **Verified same as Q 427**
- B.False

**Answer:** B

180. In what state does the OSPF protocol determine the master-slave relationship of DD packets?

- A.ExStart **verified**
- B.Full
- C.2-way
- D.Exchange

**Answer:** C

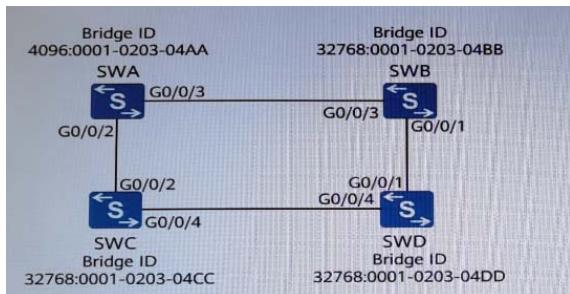
181. The following two configuration commands can realize the router RTA to the same destination 10.1.1.0 routing master and backup backup.

【RTA】 ip route-static 10.1.1.0 24 12.1.1.1 permanent  
【RTA】 ip route-static 10.2.2.0 24 13.1.1.1.

- A.True
- B.False

**Answer:** B

182. In the network shown in the figure below, the bridge ID of the switch has been marked. Enter the command stp root secondary on the SWD switch, and which of the following switch will become the root bridge of this network?



- A.SWC
- B.SWA
- C.SWB
- D.SWD

**Answer:** B

183. If the Length/Type of an Ethernet data frame = 0x8100, which of the following statements is correct?

- A. There must be an IP header in the upper layer of this data frame
- B. This data frame must carry VLAN TAG** Verified same as Q 389
- C. There must be a UDP header in the upper layer of this data frame
- D. There must be a TCP header in the upper layer of this data frame

**Answer:** B

184. FAT AP can independently complete wireless user access, wireless user authentication, and business data forwarding without AC.

- A.True
- B.False

**Answer:** A

185. There is no channel overlap in the 14 available frame segments in the 185.2.4 GHz frame segment.

- A.True
- B.False** verified

**Answer:** A

186. In the WLAN network architecture, what is terminal equipment that supports the 802.11 standard called?

- A.Client
- B.AC
- C.STA
- D.AP

**Answer:** C

187. Which of the following characteristics does the OSPF protocol have? (Multiple Choice)

- A. Easy to produce routing loops
- B. Calculate the shortest path by number
- C. Support the division of areas

D. Trigger an update

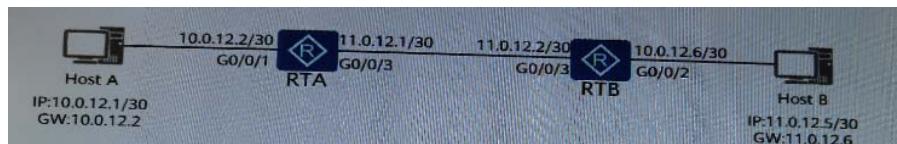
**Answer:** CD

188. Which of the following statement about static routing is wrong?

- A. Cannot automatically adapt to changes in network topology
- B. Manual configuration by the network administrator
- C. Low system performance requirements
- D. Routers need to exchange routing information

**Answer:** D

189. In the network shown in the figure below, which of the following commands can be entered on the router to enable host A to ping host B? (Multiple choice)



- A.RTA: ip route-static 10.0.12.5 255.255.255.252 11.0.12.2
- RTB: ip route-static 10.0.12.1 255.255.255.252 11.0.12.1
- B.RTA: ip route-static 10.0.12.5 255.255.255.252 11.0.12.1
- RTB: ip route-static 10.0.12.1 255.255.255.252 11.0.12.2
- C.RTA: ip route-static 0.0.0.0 0.0.0.0 11.0.12.2
- RTB: ip route-static 0.0.0.0 0.0.0.0 11.0.12.1
- D.RTA: ip route-static 0.0.0.0 0.0.0.0 11.0.12.1
- RTB: ip route-static 0.0.0.0 0.0.0.0 11.0.12.2

**Answer:** AC

190. Which of the following IPv4 addresses can be used by a host to directly access the Internet?

- A.192.168.1.1/24
- B.172.32.1.1/24
- C.172.16.255.254/24
- D.10.255.255.254/24

**Answer:** D

191. The switch becomes a logical switch after stacking and clustering, and Eth-Trunk across physical devices can be deployed to improve network reliability.

- A.True
- B.False

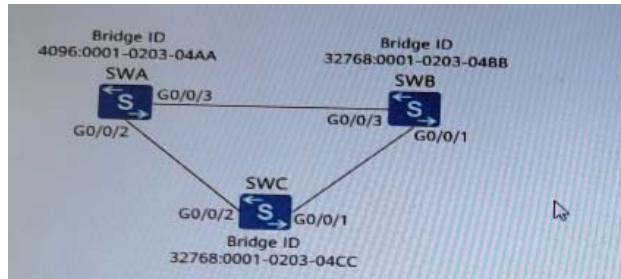
**Answer:** A

192. What is the value of TPID defined by IEEE802.1Q?

- A.0x8200
- B.0x7200
- C.0x8100
- D.0x9100

**Answer: C**

193. As shown in the figure below, assuming the other configurations of the switch are kept in the default state, which port of the following switch will become the designated port? (Multiple Choice)



- A. SWC's G0/0/1
- B. SWA's G0/0/3
- C. SWC's G0/0/2
- D. SWB's G0/0/1

**Answer: BD**

194. The management of users by NAS devices is based on domains. Each user belongs to a domain, and a domain is a group of users who belong to the same domain.

- A.TRUE
- B.FALSE

**Answer: A**

195. Which of the following fields does the MPLS header include? (Multiple choice)

- A.EXP
- B.TTL
- C.Label
- D.Tos

**Answer: ABC**

196. Huawei ARG3 series routers have all SNMP versions (SNMPv1, SNMPv2c and SNMPv3) by default.

- A.True
- B.False

**Answer: A**

197. IPv6 address 2001:ABEF:2240E:FFE2:BCC0:CD0:DDBE:8D58 cannot be abbreviated.

- A.True
- B.False **verified**

**Answer: A**

198. Which state does the OSPF protocol use to indicate that the adjacency relationship has been established?

- A.Full
- B.2-way

C.Attempt

D.Down

**Answer:** A

199. The tracert diagnostic tool in Huawei routers is used to track the data forwarding path.

A.TRUE

B.False

**Answer:** A

200. The routing table output information of a router is shown in the figure. Which of the following statements is correct? (Multiple choice)

<R1>display ip routing-table Route Flags: R - relay, D - download to fib						
Routing Tables: Public						
Destinations : 10		Routes : 10				
Destination/Mask	Proto	Pre	Cost	Flags	NextHop	Interface
10.0.0.0/8	Static	60	0	RD	10.0.12.2	Ethernet0/0/0
10.0.2.2/32	Static	70	0	RD	10.0.21.2	Ethernet0/0/1

A. the local router to the NextHop of 10.0.2.2 is 10.0.21.2

B. the local router to the NextHop of 10.0.2.1 is 10.0.21.2

C. the local router to the NextHop of 10.0.2.2 is 10.0.12.2

D. the local router to the NextHop of 10.0.0.1 is 10.0.12.2

**Answer:** AD

201. Which of the following OSPF protocol packets can ensure the reliability of LSA updates?

A.LSACK

B.DD

C.LSU

D.LSR

**Answer:** A

202. The last option field of IPv4 is variable-length optional information. What is the maximum length of this field?

A.10B

**B.40B** verified

C.60B

D.20B

**Answer:** D

203. Which of the following advantages does router-on-a-stick achieve inter-VLAN routing intercommunication?

A. Reduce the number of equipment

B. Reduce the use of IP addresses

C. Reduce the number of link connections

D. Reduce routing table entries

**Answer:** C

204. If STP is not turned on for the network composed of switches, there must be a Layer 2 loop.

A.TRUE

**B.False** **verified**

**Answer:** A

205. The switch receives a unicast data frame. If the destination MAC of the data frame can be found in the MAC table, the data frame will be forwarded from the corresponding MAC port.

A.TRUE

B.False

**Answer:** A

206. The output information of the link aggregation port of a certain switch is as follows. If you want to delete Eth-Trunk 1, which of the following commands is correct?

```
<SW1>display interface Eth-Trunk 1
Eth-Trunk1 current state : UP
Line protocol current state : UP
Description:
Switch Port, PVID : 1, Hash arithmetic : According to SIP-XOR-DIP, Maximal BW:
2G, Current BW: 2G, The Maximum Frame Length is 9216
IP Sending Frames' Format is PKTFMT_ETHNT_2, Hardware address is 4c1f-ccb0-73d7
Current system time: 2019-02-28 10:28:09-08:00
    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.undo interface Eth-trunk 1

B.inte GigabitEthernet 0./0/2

Undo eth-trunk

Quit

Undo interface eth-trunk 1

C.inte GigabitEthernet 0./0/1

Undo eth-trunk

Quit

inte GigabitEthernet 0./0/2

Undo eth-trunk

Quit

D.inte GigabitEthernet 0./0/1

Undo eth-trunk

Quit

Undo interface eth-trunk 1

**Answer:** A

207. Which information of the data frame does the VLANIF interface use to determine whether to perform Layer 2 or Layer 3 forwarding?

- A. Destination MAC
- B. Source MAC
- C. Destination port
- D. Source IP

**Answer:** A

208. If the value of the Type/Length field of an Ethernet data frame is 0 x 0800, the length of the upper layer message header carried by this data frame is in the range of 20-60B.

- A.TRUE
- B.False

**Answer:** A

209. When using FTP for file transfer, how many TCP connections will be established?

- A.2
- B.1
- C.3
- D.4

**Answer:** A

210. What are the user authentication methods that can be deployed in wlan? (Multiple choice)

- A. Portal authentication
- B. MAC authentication
- C. Radius certification
- D. 802.1X authentication

**Answer:** ABD

211. Which of the following IEEE 802.11 standards support operation in the 5GHz frequency band?  
(Multiple choice)

- A.802.11ac **verified**
- B.802.11n **verified**
- C.802.11g
- D.802.11a **verified**

**Answer:** AD

212. In order to join the wireless network STA needs to obtain wireless network information first. Which of the following messages is used by the STA to actively obtain the SSID information?

A.Probe **Verified same as Q 227**

- B.Join
- C.Discovery
- D.Beacon

**Answer: A**

213. Broadly speaking, which of the following does the transmission medium that constitutes the wireless local area network wlan not include?

- A. Ray
- B. Radio waves
- C. Infrared
- D. Laser

**Answer: A**

214. Which field of the ipv6 packet header can be used for QoS?

- A.Traffic Class
- B.Payload Length
- C.Version
- D.Next Header

**Answer:A**

215. Connection between switches and hosts, which port link type is often used by the switch?

- A. Access link
- B. Trunk link
- C. Trunk link
- D. Hybrid link

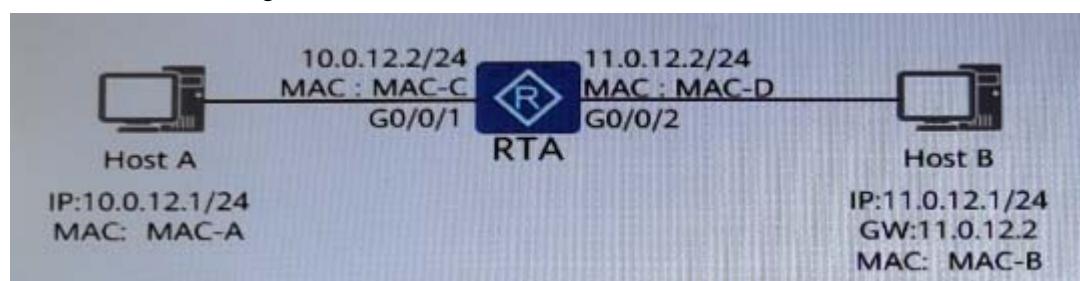
**Answer:A**

216. When using the FTP protocol to upgrade the router software, which of the following transmission mode should be selected?

- A. Binary mode
- B. Byte mode
- C. Text mode
- D. Stream byte mode

**Answer: A**

217. Network shown below, Host A does not configure the gateway, the host B exists gateway ARP cache, which of the following statements are correct?

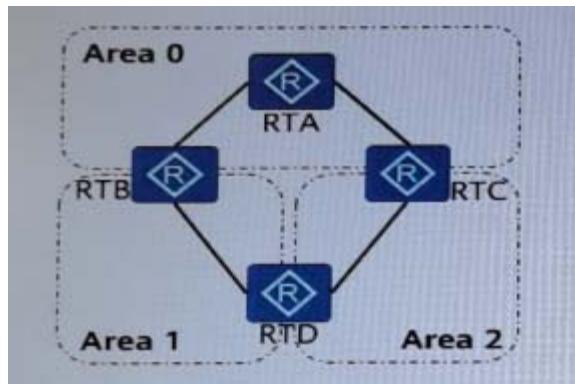


- A. Enable ARP proxy on the GO/0/1 port of the router, then host A can communicate with host B
- B. Host A and Host B cannot communicate in both directions
- C. The data packet sent by host B with the destination IP address of 10.0.12.1 can be forwarded to host A

D. The data packet sent by host A with the destination IP address of 11.0.12.1 can be forwarded to host B

**Answer:B**

218. The network structure and OSPF partition is shown in the following figure, in addition to RTA, router RTB, RTC and RTD are ABR routers.



A.TRUE

B.False

**Answer:B**

219. The network administrator hopes to effectively use the IP address of the 192.168.176.0/25 network segment. Now that the company's marketing department has 20 hosts, which of the following is the best address segments allocated to the marketing department?

- A. 192.168.176.160/27
- B. 192.168.176.0/25
- C. 192.168.176.96/27
- D. 192.168.176.48/29

**Answer:A**

220. What is the main function of the dynamic routing protocol?

- A. Manage routers
- B. Generate IP address
- C. Dynamically generate routing entries
- D. Control router interface status

**Answer:C**

221. The device port running STP protocol is in Forwarding state. Which of the following statements is correct?

- A. The port not only forwards user traffic but also processes BPDU packets.
- B. The port only receives and processes BPDUs, and does not forward user traffic.
- C. The port will build a MAC address table based on the received user traffic, but does not forward user traffic.
- D. The port not only does not process BPDU packets, but also does not forward user traffic.

**Answer:A**

222. Which of the following descriptions about spanning tree designated ports is correct?

- A. The designated port can forward configuration BPDU messages to the network segment connected to it.
- B. The port on the root switch must not be a designated port.
- C. Each switch has only one designated port.
- D. The port on the root switch must be a designated port.

**Answer:** A

223. Which of the following statements about link aggregation is correct?

- A. GE electrical interfaces and GE optical interfaces cannot be added to the same Eth-Trunk interface.
- B. Eth-Trunk interfaces cannot be nested. **verified**
- C. When two devices are connected, it is necessary to ensure that the link aggregation mode on both devices is the same. **Verified**
- D. GE interface and FE interface cannot be added to the same Eth-Trunk interface. **verified**

**Answer:** B

224. What is the total length of the VLAN frame format defined by IEEE802.1Q?

- A. 1
- B. 2
- C. 3
- D. 4

**Answer:** D

225. CSS refers to the combination of two switch devices that support cluster features and logically combine them into one switch device.

- A. TURE
- B. FALSE

**Answer:** A

226. The host uses the IP address 192.168.1.2 to access the Internet, which must go through NAT.

- A. TURE **verified**
- B. FALSE

**Answer:** B

227. Before the STA associates with the AP, it needs to exchange some messages to obtain the SSID.

What are these messages?

- A. Discovery
- B. Beacon
- C. Probe
- D. ResponseProbe Request **Verified**

**Answer:** D

228. Which of the following statement about MPLS Label statement label is wrong?

- A. The label is encapsulated between the network layer and the transport layer

- B. The tags are carried by the head of the packet, does not contain topology Information.
- C. The label is used to uniquely identify the forwarding equivalence class FEC to which a packet belongs
- D. The label is a short identifier with a fixed length. It has only local meaning.

**Answer:** A

229. Which of the following refers to network communication? (Multiple choice)
- A. Use instant messaging software (such as, QQ, WeChat) to chat with friends
  - B. Use a computer to visit the company's official website
  - C. Use computer to watch video online
  - D. Download emails from the company mailbox to your computer

**Answer:** ABCD

230. In the VRP interface, use the command startup saved-configuration backup.cfg to configure the startup.cfg file for the next startup.

- A. TURE
- B. FALSE

**Answer:** A

231. Which of the following fields does the ARP packet format include? (Multiple choice)
- A. HardwareType
  - B. Protocol Address of sender
  - C. Operation Code
  - D. Protocol Type

**Answer:** ABCD

232. Both pwd and dir commands in the VRP operating platform can view the file information under the current directory.

- A. TURE
- B. FALSE

**Answer:** B

233. The OSI reference model from high-level to bottom-level is () .

- A. Application layer, transport layer, network layer, data link layer, physical layer
- B. Application layer, session layer, presentation layer, transport layer, network layer, data link layer, physical layer
- C. Application layer, presentation layer, session layer, network layer, transport layer, data link layer, physical layer
- D. Application layer, presentation layer, session layer, transport layer, network layer, data link layer, physical layer

**Answer:** D

234. Which of the following attributes cannot be used as a parameter to measure Cost? (Multiple choice)

- A. Bandwidth
- B. Sysname verified

- C. Delay
- D. Hop count

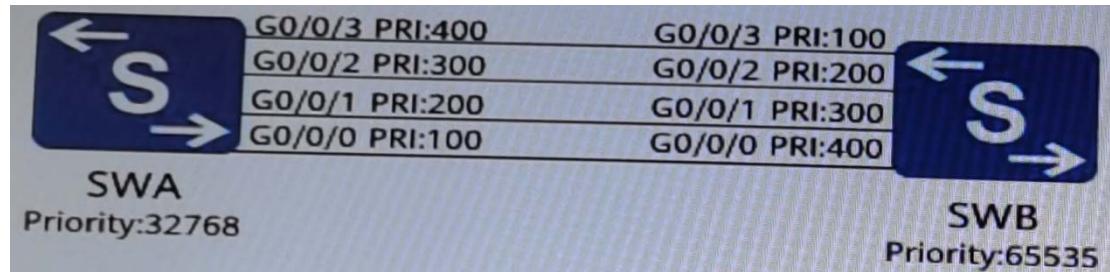
**Answer:** BC

235. A company applies for a Class C address segment, which needs to be evenly distributed to 8 subsidiaries. The largest subsidiary has 14 computers. Different subsidiaries must be in different network segments. The subnet mask should be designed as ().

- A. 255.255.255.240
- B. 255.255.255.128
- C. 255.255.255.192
- D. 255.255.255.0

**Answer:** A

236. The priority of the LACP protocol is shown in the figure. Switch A and Switch B adopt LACP mode link aggregation, and all interfaces join the link aggregation group. At the same time, set the maximum number of active ports to 3. Which interface of switch A is not active port?



- A. G0/0/1
- B. G0/0/3
- C. G0/0/0
- D. G0/0/2

**Answer:** B

237. If the Ethernet data frame Length/Type=0X0806, which of the following statement is correct? (Multiple choice)

- A. The source MAC address of the data frame must not be FFFF-FFFF-FFFF **verified**
- B. The data frame is an IEEE 802.3 frame
- C. The data frame is an Ethernet II frame **Verified**
- D. The destination MAC address of the data frame may be FFFF-FFFF-FFFF **Verified**

**Answer:** AC

238. VLAN 4095 cannot be created on Huawei switches, and VLAN 1 cannot be created.

- A. TURE
- B. FALSE

**Answer:** A

239. Which of the following port states is not included in the RSTP protocol?

- A. Learning

- B. Discarding
- C. Forwarding
- D. Blocking

**Answer:** D

240. Which statement about the Hybrid port is correct?
- A. When the Hybrid port sends data frames, it must carry VLAN TAG
  - B. Hybrid port only receives data frames with VLAN TAG
  - C. Hybrid port can strip TAG of VLAN in the direction of the interface
  - D. Hybrid port does not require PVID

**Answer:** C

241. What elements can NAPT convert?

- A. MAC address + port number
- B. Only IP address
- C. IP address + port number
- D. Only MAC address

**Answer:** C

242. What are the advantages of using dynamic host configuration protocol DHCP to assign IP addresses? (Multiple choice)

- A. Heavy workload and difficult to manage
- B. Reuse of IP address can be realized
- C. Avoid IP address conflicts
- D. When the configuration information changes (such as DNS), only the administrator needs to modify it on the DHCP server to facilitate unified management

**Answer:** BCD

243. The role of the collaboration layer in the SDN architecture is to complete job deployment based on user intentions. OpenStack belongs to the business collaboration layer.

- A. TURE
- B. FALSE

**Answer:** B

244. Which of the following statement about Python is incorrect?

- A. Is a fully open source high-level programming language
- B. Has a rich third-party library
- C. Have a clear grammatical structure, simple and easy to learn, colleagues run efficiently
- D. can be used for operation and maintenance of automation scripts, Artificial Intelligence, Data science and many other fields

**Answer:** A **None of the above**

245. The administrator has configured the AR2200 as shown in the figure, then which of the following description of the configuration information is correct?

```
<Huawei>reset saved-configuration
Warning: The action will delete the saved configuration in the device.
The configuration will be erased to reconfigure. Continue? [Y/N]:
```

- A. The saved configuration file will be replaced by the running configuration file
- B. If the user wants to clear the next startup configuration file of the device configuration, then should select "N"
- C. If the user wants to clear the next startup configuration file of the device configuration, then should select "Y"
- D. The next startup file of the device configuration will be retained

**Answer:** C

246. When building a campus network, which of the following protocols can be used to avoid Layer 2 loops?

- A.SNMP
- B.RSTP
- C.NAT
- D.OSPF

**Answer:** B

247. The tree network topology is actually a hierarchical star structure, which is easy to expand the network scale, but the higher the level, the more serious the network problem caused by the node failure.

- A.True
- B.False

**Answer:** A

248. The routing table is shown in the figure. Which of the following statements is correct? (Multiple choice)

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

Routing Tables: Public
Destinations : 14      Routes : 15

Destination/Mask   Proto   Pre   Cost     Flags NextHop          Interface
  10.0.2.2/32     Static   60    0        RD   10.0.12.2      Ethernet0/0/0
  10.0.3.3/32     Static   60    0        RD   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 router forwards data packets with the destination IP address 10.0.3.3 from Ethernet0/0/0
- B. Router from Ethernet0/0/0 forwarding destination IP address 10.0.2.2 packet
- C. The router forwards data packets with the destination IP address 10.0.12.1 from Ethernet0/0/0
- D. The NextHop of the destination network 10.0.3.3/32 is not directly connected, so the router will not forward packets with the destination IP address of 10.0.3.3.

**Answer:** ABC

249. The network administrator uses Ping to test the connectivity of the network. Which of the following protocols may be used in this process? (Multiple choice)

- A.ICMP
- B.UDP
- C.TCP
- D.ARP

**Answer:** AD

250. The router needs to modify the destination IP address in the data packet when forwarding data packets.

- A.True
- B.False

**Answer:** B

251. Which of the following description about DD packets and LSA of OSPF is correct? (Multiple choice)

- A. The header of an LSA can uniquely identify an LSA
- B. LSA header is only a small part of LSA
- C. DD packet contains detailed information about LSA
- D. The DD packet contains only LSA header information

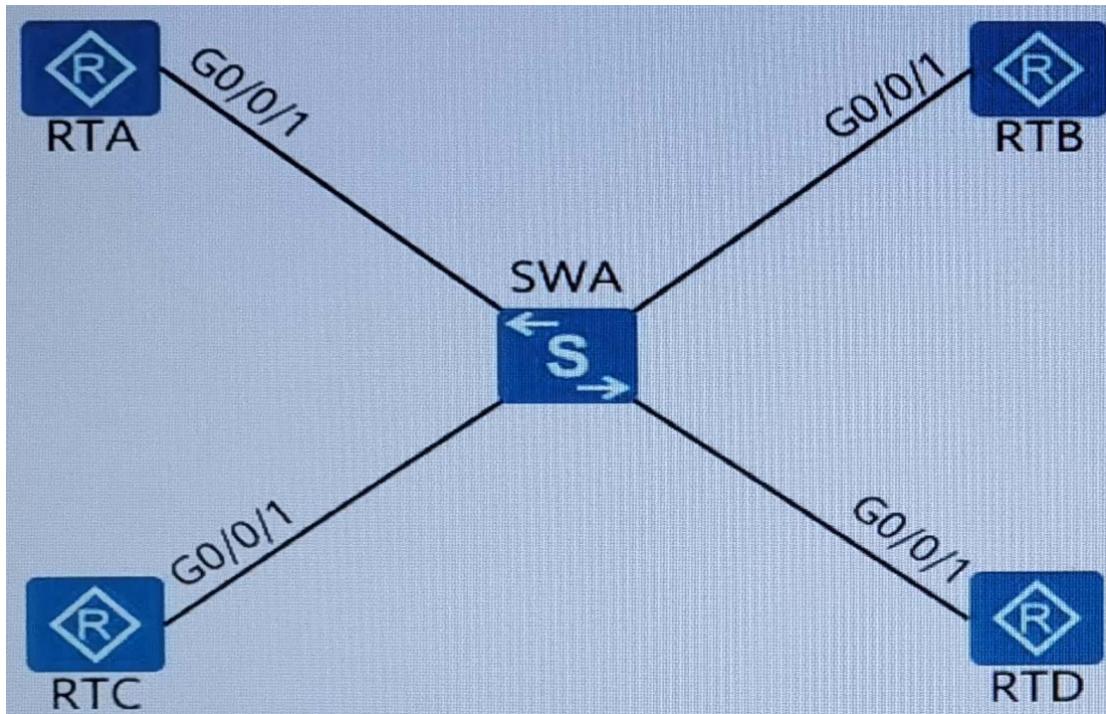
**Answer:** ABD

252. Which of the following statement about the main functions of the router is wrong? (Multiple choice)

- A. Realize the mutual communication between the same network disconnection equipment **verified**
- B. Forwarding according to the source IP address of the received data packet **verified**
- C. Establish routing tables through multiple protocols
- D. Guide data forwarding according to the routing table

**Answer:** ABD

253. In the broadcast network as shown in the figure, OSPF runs on four routers in the same area and on the same network segment. OSPF will automatically elect one DR and multiple BDRs to achieve better backup results.



- A.True
- B.False

**Answer:** B

254. The Router ID of the OSPF process takes effect immediately after modification.

- A.True
- B.False

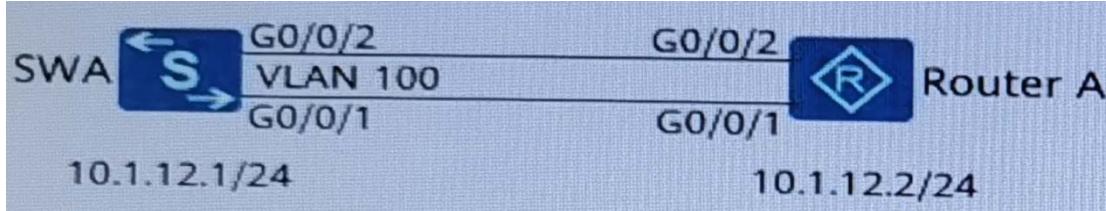
**Answer:** B

255. How many types of OSPF messages are there?

- A.2
- B.4
- C.5
- D.3

**Answer:** C

256. In the network shown in the figure below, switch A and router A are connected through two links, and the two links are aggregated in manual load sharing mode. The aggregated port number is 1, and the aggregated link performs data when forwarding, you need to carry VLAN TAG 100. Switch A uses Trunk link. Which of the following configurations should be used for Switch A?



A.

```
interface Eth-Trunk1
  mode lacp-static
  port link-type trunk
  port trunk allow-pass vlan 100
#
interface GigabitEthernet0/0/1
  eth-trunk 1
#
interface GigabitEthernet0/0/2
  eth-trunk 1
#
```

B.

```
interface Eth-Trunk1
  port link-type trunk
  port trunk allow-pass vlan 100
#
interface GigabitEthernet0/0/1
  eth-trunk 1
#
interface GigabitEthernet0/0/2
  eth-trunk 1
#
```

C.

```
interface Vlanif100
  ip address 10.0.12.1 255.255.255.0
#
```

D.

```
interface Eth-Trunk1
  ip address 10.0.12.1 255.255.255.0
#
```

**Answer:** B

257. By default, the port cost calculated by STP has a certain relationship with the port bandwidth, that is, the greater the bandwidth, the () the cost.

- A. greater
- B. Consistent
- C. Not necessarily
- D. smaller

**Answer:** D

258. Which of the following port states does the RSTP protocol include? (Multiple choice)

- A.Learning
- B.Discarding
- C.Listening
- D.Forwarding

**Answer:** ABD

259. In the RSTP standard, in order to improve the convergence speed, the port that the switch is directly connected to the terminal can be defined as ( ).

- A. Edge port
- B. Root port
- C. Fast port
- D. Backup port

**Answer:** A

260. The configuration information of a certain port of the switch is shown in the figure, then the port will strip off the VLAN TAG when sending data frames carrying which VLAN?

```
#  
interface GigabitEthernet0/0/1  
  port hybrid tagged vlan 2 to 3 100  
  port hybrid untagged vlan 4 6  
#
```

- A.4.6
- B.1.4.5.6
- C.4.5.6
- D.1.4.6

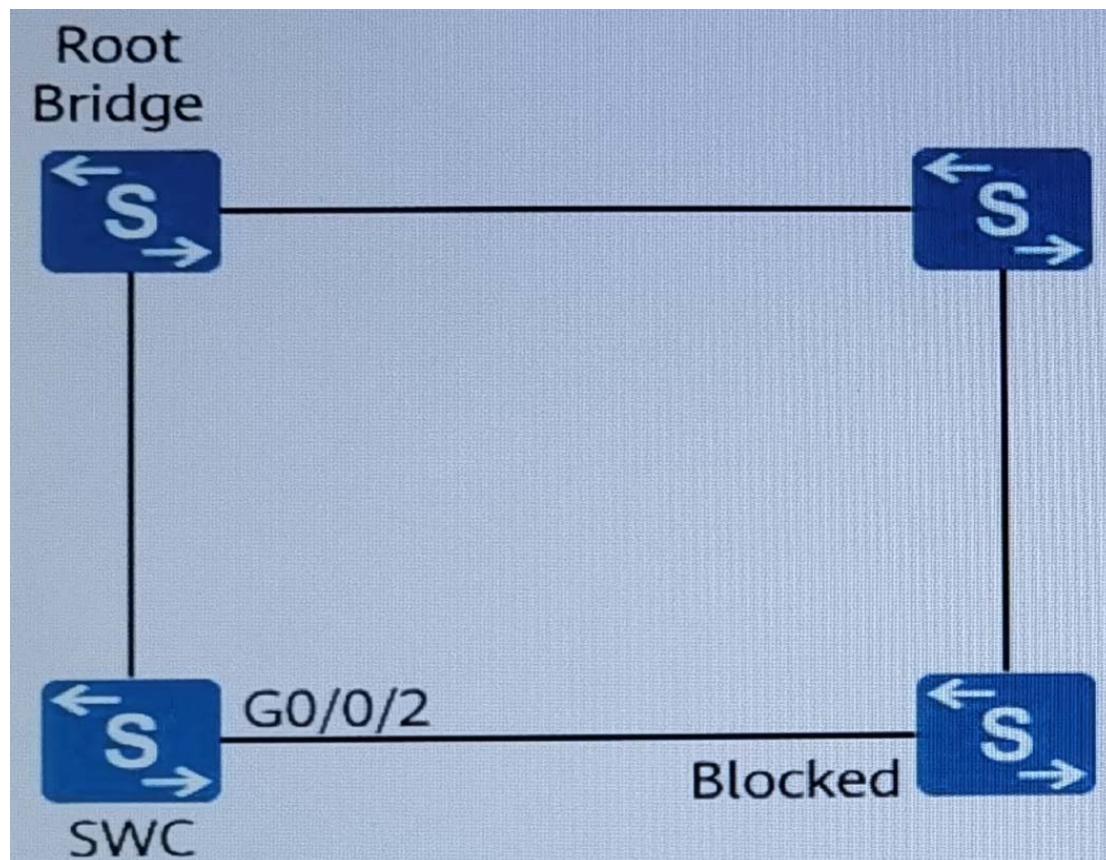
**Answer:** D

261. The Backup ports in RSTP may alternatively failed root port.

- A.True
- B.False

**Answer:** B

262. As shown in the figure, all four switches run STP, and various parameters adopt default values. If the G0/0/2 port of switch C is blocked and the configuration BPDU cannot be sent through this port, how long will it take for the blocked port in the network to enter the forwarding state?



- A. about 3 seconds
- B. about 50 seconds

- C. about 30 seconds
- D. about 15 seconds

**Answer:** B

263. If the largest number in an ACL rule is 12, by default, the user does not specify a number when configuring a new rule, then what is the number assigned by the system for the new rule?

- A.13
- B.15
- C.14
- D.16

**Answer:** B

264. Complete the ACL configuration shown in the figure on the router RTA, which of the following description is correct?

```
[RTA]acl 2001
[RTA-acl-basic-2001]rule 20 permit source 20.1.1.0 0.0.0.255
[RTA-acl-basic-2001]rule 10 deny source 20.1.1.0 0.0.0.255
```

- A. The VRP system will not adjust the sequence number, but will first match the rule permit source 20.1.1.0 0.0.0.255
- B. Configuration error, the sequence number of the rules must be configured from small to large
- C. The VRP system will adjust the sequence number of the first rule to 5 according to the configuration sequence
- D. The VRP system will first match the rule by numbering in sequence deny source 20.1.1.0 0.0.0.255

**Answer:** D

265. Using the ACL shown in the figure on the router RTA to match routing entries, which of the following entries will be matched? (Multiple choice)

```
[RTA]acl 2002
[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
```

- A.172.16.1.0/24
- B.192.17.0.0/24
- C.172.18.0.0/16
- D.172.16.1.1/32

**Answer:** CD

266. The configuration information of a router is shown in the figure. Which of the following statements are correct? (Multiple choice)

```
#  
aaa  
    authentication-scheme default  
    authentication-scheme huawei  
        authentication-mode radius  
    authorization-scheme default  
    authorization-scheme huawei  
    accounting-scheme default  
domain default  
domain default_admin  
domain huawei  
    authentication-scheme huawei  
    authorization-scheme huawei  
local-user huawei password cipher 123456  
local-user huawei@huawei password cipher 654321  
#
```

- A. The authentication method adopted by the domain with the domain name huawei is local ID
- B. The authorization method for the domain with the domain name huawei is local authorization
- C. Use the username huawei for authentication, the password needs to be 654321
- D. The domain with the domain name huawei does not use the billing plan

**Answer:** BD

267. What is the main function of the DNS protocol?

- A. Domain name resolution
- B. File transfer
- C. Remote access
- D. Mail transmission

**Answer:** A

268. What is the data link layer MAC address of each VAP on the AP?

- A.SSID
- B.BSS
- C.ESS
- D.BSSID

**Answer:** D

269. Which of the following does not include the advantages of Wi-Fi 6 compared to Wi-Fi 5?

- A. Higher bandwidth
- B. Lower transmission delay
- C. Higher power consumption
- D. Higher number of access terminals per AP

**Answer:** C

270. PPPoE session can only use CHAP authentication.

- A.True
- B.False

**Answer:** B

271. Which of the following types does IPv6 address contain? (Multiple choice)

- A. Unicast address
- B. Broadcast address
- C. Multicast address
- D. Anycast address

**Answer:** ACD same as Q 386

272. Regarding the IPv6 address 2031:0000:720C:0000:0000:09E0:839A:130B, which of the following abbreviations is correct?

- A.2031:0:720C:0:0:9E:839A:130B
- B.2031:0:720C::9E0:839A:130B
- C.2031:0:720C:0:0:9E0:839A:130B
- D.2031::720C::9E0:839A:130B

**Answer:** B

273. Which of the following protocols does the RA message used by IPv6 stateless autoconfiguration belong to?

- A.IGMPv6
- B.ICMPv6
- C.UDPV6
- D.TCPV6

**Answer:** B

274. When planning the campus network, which of the following mask lengths is recommended for device interconnection IP addresses?

- A.16
- B.32
- C.24
- D.30

**Answer:** D

275. Which of the following are related to the purpose of encapsulation and decapsulation? (Multiple choice)

- A. Encapsulation and decapsulation are important steps to realize different protocol functions
- B. Interworking between different networks
- C. Shorten the length of the message
- D. Encapsulation and decapsulation can complete network fault location

**Answer:** AB

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

- A. UDP is suitable for the transmission of delay-sensitive traffic, and can be reorganized according to the sequence number field in the message header
- B. The range of well-known port numbers is 0-1023
- C. UDP uses the STNOACK flag to request and confirm the establishment of a connection
- D. TCP establish a connection is a three-way handshake process, TCP terminates the connection will have to go through four-way handshake

**Answer:** BD

277. Which of the following descriptions about wireless devices is correct?

- A. The wireless device has no wired interface
- B.FIT AP-like independent user access, Authentication, Forwarding services and other functions
- C. Wireless Controller AC-like at the aggregation layer of the entire network, providing high-speed, Safe and Reliable VLAN business
- D. FAT AP generally works with wireless controller

**Answer:** C

278. What is the full name of the general routing platform VRP?

- A.Versatile Redundancy Platform
- B.Versatile Routing Protocol
- C.Versatile Routing Platform
- D.Virtual Routing Platform

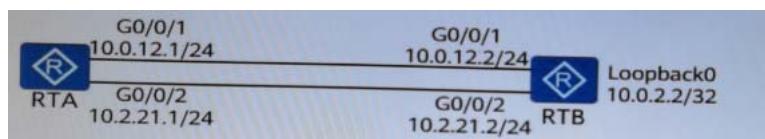
**Answer:** C

279. VRP supports OSPF multi-process. If the process number is not specified when OSPF is enabled, the process number used by default is () .

- A.10
- B.100
- C.0
- D.1

**Answer:** D

280. The network shown in the figure below. The administrator hopes that RTA uses static routing, and preferentially sends data packets to RTB 's Loopback0 interface through G0/0/1 por, while G0/0/2 serves as a backup. So how to configure on RTA to achieve this requirement?



- A.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
- B.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
- C.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
D.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
```

**Answer:** D

281. If the broadcast address of a network is 172.16.1.255, then what may its network address be?

- A.172.16.1.128
- B.172.16.2.0
- C.172.16.1.1
- D.172.86.1.253

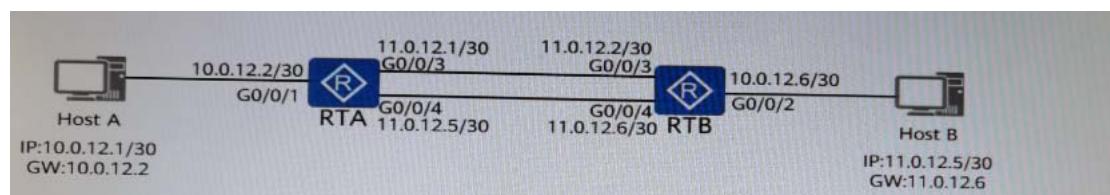
**Answer:** A same as Q 360

282. The administrator wants to configure a hundred IP address on the G0/0/0 interface of the router, then which of the following addresses is correct?

- A.192.168.10.112/30
- B.237.6.1.2/24
- C.127.3.1.4/28
- D.145.4.2.55/26

**Answer:** D

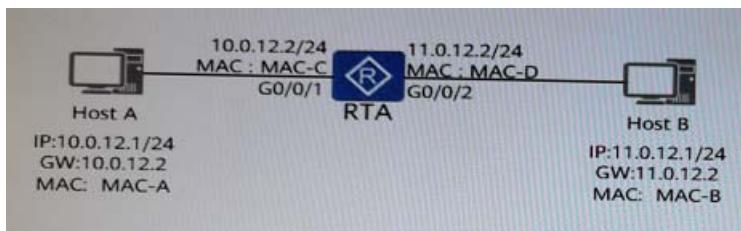
283. The network shown below, it is desirable host traffic network administrator during planning A destined for host B data packets through the router between the G0/0/3 interfaces, the host B to the host PC A data packet through the router Between the G0/0/4 interface, which of the following commands can achieve this requirement? (Multiple choice)



- A.RTA : ip route-static 10.0.12.5 255.255.255.252 11.0.12.2  
RTB : ip route-static 10.0.12.1 255.255.255.252 11.0.12.5
- B.RTA : ip route-static 10.0.12.5 255.255.255.252 11.0.12.6  
RTB : ip route-static 10.0.12.1 255.255.255.252 11.0.12.1
- C.RTA : ip route-static 0.0.0.0 0.0.0.0 11.0.12.2  
RTB : ip route-static 0.0.0.0 0.0.0.0 11.0.12.5
- D.RTA : ip route-static 0.0.0.0 0.0.0.0 11.0.12.6  
RTB : ip route-static 0.0.0.0 0.0.0.0 11.0.12.1

**Answer:** AC

284. In the network as shown in the figure below, the host has an ARP cache. Which of the following statements is correct? (Multiple Choice)



- A. The following entries may exist in the ARP cache of host A. 10.0.12.2 MAC-C
- B. The router needs to be configured with static routing, otherwise host A and host B cannot communicate in both directions
- C. The following entries exist in the ARP cache of host A 11.0.12.1 MAC-B
- D. Host A and Host B can communicate in both directions

**Answer:** AD

285. Compared with STP, which of the following port roles are newly defined in RSTP? (Multiple choice)

- A. Designated port
- B. Root port
- C. Alternate port
- D. Backup port

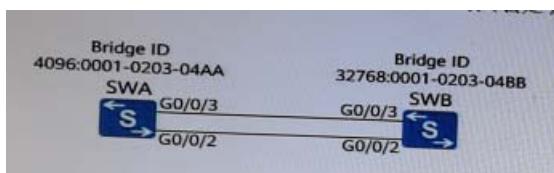
**Answer:** CD

286. The Layer 2 switch is a data link layer device, which can identify the MAC address information in the data frame, forward data according to the MAC address, and record these MAC addresses and corresponding port information in its own MAC address table.

- A. True
- B. False

**Answer:** A

287. The two switches shown in the figure below have both enabled the STP protocol. Which port will eventually be in the Blocking state?



- A. G0/0/2 port of SWB
- B. G0/0/3 port of SWB
- C. G0/0/2 port of SWA
- D. G0/0/3 port of SWA

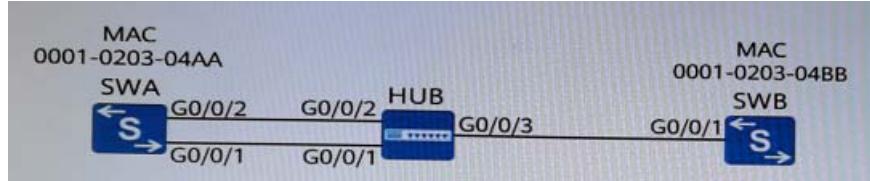
**Answer:** D

288. On Huawei switches, you can use the command `vlan batch` to create multiple VLANs in batches, simplifying the configuration process.

- A. True
- B. False

**Answer: A**

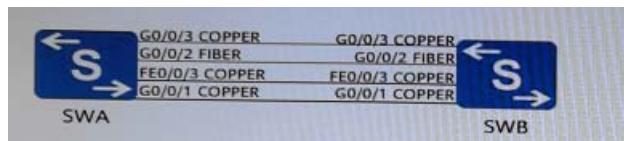
289. As shown in the figure, the two switches use the default parameters to run STP, the configuration command STP root primary is used on switch A, and the configuration command STP priority 0 is used on switch B. Then which port will be blocked?



- A. G0/0/1 of switch B
- B. G0/0/1 of switch A
- C. HUB's G0/0/3
- D. G0/0/2 of switch A

**Answer: D**

290. In the network shown in the figure below, two switches are connected by four links, COPPER refers to electrical interface, and FIBER refers to optical interface. Which of the following two interfaces can achieve link aggregation?



- A.G0/0/2 and G0/0/1
- B.G0/0/3 and FE0/0/3
- C.G0/0/3 and G0/0/1
- D.G0/0/2 and FE0/0/3

**Answer: C**

291. Trunk ports can allow multiple VLANs to pass, including VLAN4096.

- A.True
- B.False

**Answer: B**

292. The following statements about the election of active ports in link aggregation LACP mode. Which is correct?

- A. Compare the priority of the interface first, and it is impossible to determine the better one to continue to compare the interface number, the smaller the better.
- B. Only compare interface priority
- C. Compare device priority
- D. Only compare interface numbers

**Answer: A**

293. Which of the following parameters is not included in the configuration BPDU of the STP protocol?

- A. Port ID
- B. VLAN ID
- C. Bridge ID
- D. Root ID

**Answer:** B

294. Which of the following options are configured in a Layer 2 ACL? (Multiple choices)

- A.rule 10 permit 12-protocol arp
- B.rule 25 permit source 192.168.1.1 0.0.0.0
- C.rule 20 permit source-mac 0203-0405-0607
- D.rule 15 permit vlan-id 100

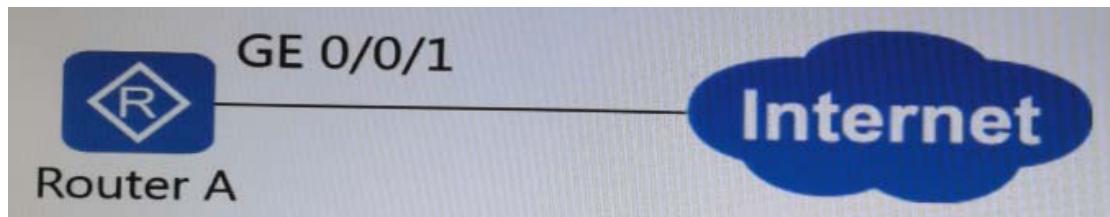
**Answer:** CD

295. A company has 50 private IP addresses. The administrator uses NAT technology to connect the company's network to the public network, but the company has only one public network address and is not fixed. Which of the following NAT conversion methods meets the needs?

- A. easy-ip
- B. NAPT
- C. Static NAT
- D. Basic NAT

**Answer:** A

296. In the network shown in the figure, the administrator hopes that all hosts cannot access the web service (the port number is 80), and other services are normally accessed, so in the interface configuration of G0/0/1, traffic-filter outbound needs to define which ACL rule?



- A.  
acl number 3000  
rule 5 deny tcp destination-port eq www  
rule 10 permit ip  
#
- B.  
acl number 3001  
rule 5 deny udp destination-port eq www  
rule 10 permit ip  
#
- C.  
acl number 3003  
rule 5 permit ip

```
rule 10 deny udp destination-port eq www
```

```
#
```

```
D.
```

```
acl number 3002
```

```
rule 5 permit ip
```

```
rule 10 deny tcp destination-port eq www
```

```
#
```

**Answer:** A

297. At present, the company has a network administrator, and the AR2200 in the company network can be remotely managed by directly entering the password through Telnet. After the two new network administrators arrived, the company hopes to assign their own user names and passwords to all administrators, as well as different levels of authority. So how should it be done? Multiple choices

- A. Each administrator uses a different public IP address of the device when running the Telnet command
- B. The user authentication mode configured by Telnet must select AAA mode
- C. When configuring each administrator's account, different permission levels need to be configured
- D. Configure three user names and their corresponding passwords in the AAA view

**Answer:** BCD

298. What is the main function of the DHCP DISCOVER message?

- A. The server's confirmation response to the REQUEST message
- B. The client is used to find the DHCP server
- C. The client requests configuration confirmation, or renews the lease
- D. The DHCP server is used to respond to the DHCP DISCOVER message, which carries various configuration information

**Answer:** B

299. Which of the following network parameters can be assigned by Dynamic Host Configuration Protocol DHCP? (Multiple choices)

- A. IP address
- B. Gateway address
- C. Operating system name
- D. DNS address

**Answer:** ABD

300. In the WLAN architecture, the FIT AP cannot work independently and needs to be managed by the AC. Which of the following protocols are used to communicate between FIT AP and AC?

- A. IPsec
- B.WEP
- C.CAPWAP
- D.WAP

**Answer:** C

301. What is the first operation performed by the FIT AP after obtaining the AC's IP address?

- A. Upgrade software version
- B. Download the configuration file
- C. Establish CAPWAP tunnel
- D. Request configuration file

**Answer:** C

302. How many types of data flows with different service levels can be marked based on MPLS labels?

- A.4
- B.2
- C.16
- D.8

**Answer:** D

303. Which of the following functions does the LCP protocol in the PPP protocol support?

( Multiple Choice)

- A. Negotiate network layer address
- B. Negotiate authentication agreement
- C. Detect link loops
- D. Negotiate the maximum receiving unit MRU

**Answer:** CD

304. The network management system can only view the operating status of the device through the SNMP protocol, but cannot issue configurations.

- A. True
- B. False

**Answer:** B

305. The network devices running the SNMP protocol are running locally-an agent process.

- A.True
- B.False

**Answer:** A

306. Which extension headers are supported by IPv6 packets? (Multiple choice)

- A. Destination option extension header
- B. Fragmentation extension header
- C. Hop-by-hop option extension header
- D. VLAN extension header

**Answer:** ABC

307. Which of the following are not open interfaces of Huawei network equipment? (Multiple choice)

- A.NETCONF
- B.RESTCONF
- C.JSON
- D.XML

**Answer:** CD

308. Which of the following are not the characteristics of a small-sized campus network?

- A. Simple network level
- B. Fewer users
- C. Simple network requirements
- D. Wide coverage

**Answer:** D

309. Which statement are correct about the shortcut keys of the VRP operating platform? (Multiple choice)

- A. TAB prompts the most recently entered command
- B. CTRL+C to stop the current command
- C. The left cursor key (<) moves the cursor to the left position.
- D. CTRL+Z back to user view

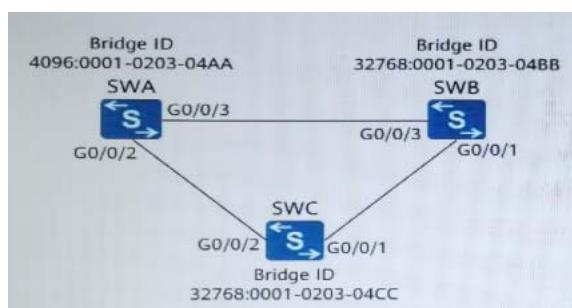
**Answer:** BCD

310. Which of the following information prompts will the VRP operating platform use for incomplete input commands?

- A.Error :Ambiguous command found at' position
- B.Error :Incomplete command found at' position
- C.Error: Too many parameters found at' position
- D.Error: Wrong parameter found at 'position

**Answer:** B

311. As shown in the figure below, which port of the following switches will be blocked?



- A.SWC G0/0/1
- B.SWC G0/0/2
- C.SWB G0/0/3
- D.SWA G0/0/3

**Answer:** A

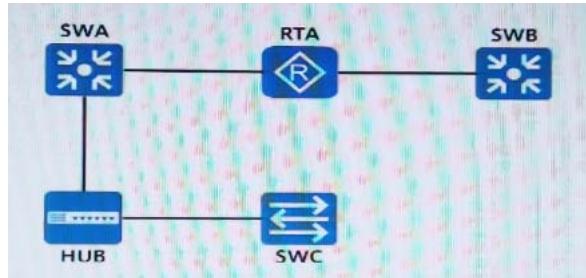
312. An existing switch is connected to a designated port through a port, but the port does not forward any packets, but can monitor network changes by receiving BPDUs, then what is the role of the port?

- A. Designated port
- B. Alternate port

- C. Disable port
  - D. Root port

**Answer:** B

313. In the network shown in the figure, which of the following description is correct?



- A. The network between RTA and SWC is the same conflict domain
  - B. The network between SWA and SWC is the same conflict domain
  - C. The network between SWA and SWB is the same broadcast domain
  - D. The network between SWA and SWC is the same broadcast domain

**Answer:** B

314. The output information of a switch is shown in the figure. Which of the following statements is correct? (Multiple choice)

```
[SWA]display vlan
The total number of vlans is : 5

U: Up; D: Down; TG: Tagged; UT: Untagged;
MP: Vlan-mapping; ST: Vlan-stacking;
#: ProtocolTransparent-vlan; *: Management-vlan;

VID Type Ports
1 common UT:GEO/0/3(D) GEO/0/4(D) GEO/0/5(D) GEO/0/6(D)
          GEO/0/7(D) GEO/0/8(D) GEO/0/9(D) GEO/0/10(D)
          GEO/0/11(D) GEO/0/12(D) GEO/0/13(D) GEO/0/14(D)
          GEO/0/15(D) GEO/0/16(D) GEO/0/17(D) GEO/0/18(D)
          GEO/0/19(D) GEO/0/20(D) GEO/0/21(D) GEO/0/22(D)
          GEO/0/23(D) GEO/0/24(D)
          TG:GEO/0/1(U)

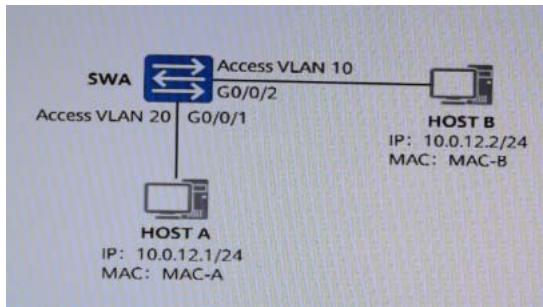
10   common UT:GEO/0/1(U) GEO/0/2(U)
20   common TG:GEO/0/1(U)

30   common TG:GEO/0/1(U)
40   common TG:GEO/0/1(U)
```

- A. The GE0/0/2 port of the switch carries VLAN TAG when sending VLAN20 data frames
  - B. The user manually created 4 VLANs
  - C. The GE0/0/1 port of the switch does not carry VLAN TAG when sending VLAN20 data frames
  - D. The GE0/0/1 port of the switch does not carry VLAN TAG when sending VLAN10 data frames

**Answer:** ABD

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



A.True

B.False

**Answer:** B

316.By default, what is the STP Forward Delay time in seconds?

A.5

B.10

C.15

D.20

**Answer:** C

317.The G0/0/1 interface configuration information of router A is shown in the figure. Which of the following statements is 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 will not forward received FTP packets

B. This interface will not forward ICMP packets

C. This interface will not forward received SNMP packets

D. This interface can establish OSPF neighbor relationships with other routers

**Answer:** AC

318.To apply the ACL configured in the figure in Telnet, which of the following statements is correct?

```
#  
acl number 2000  
rule 5 deny source 172.16.105.3 0  
rule 10 deny source 172.16.105.4 0  
rule 15 deny source 172.16.105.5 0  
rule 20 permit  
#
```

A. The device with IP address 172.16.105.4 can use Telnet service

B. The device with IP address 172.16.105.3 can use Telnet service

C. The device with IP address 172.16.105.5 can use Telnet service

D. The device with IP address 172.16.105.6 can use Telnet service

**Answer:** D

319.Which of the following fields is not included in the HELLO packet of the OSPF protocol?

- A.Neighbor
- B.Network Mask
- C.HelloInterval
- D.Sysname

**Answer:** D same as Q 358

320.All interfaces of the router belong to the same broadcast domain.

- A.True
- B.False

**Answer:** B

321.The host's IPv4 address is 200.200.200.201/30. Which of the following hosts has an IPv4 address and its communication does not need to be forwarded by a router?

- A.200.200.200.202
- B.200.200.200.200
- C.200.200.200.203
- D.200.200.200.1

**Answer:** A

322.Among the following commands to configure the default route, which one is correct?

- A.[Huawei-Seria10] ip route-static 0.0.0.0 0.0.0.0 0.0.0.0
- B.[Huawei] ip route-static 0.0.0.0 0.0.0.0 192.168.1.1
- C.[Huawei] ip route-static 0.0.0.0 0.0.0.0 0.0.0.0
- D.[Huawei] ip route-static 0.0.0.0 255.255.255.255 192.168.1.1

**Answer:** B

323.If the network address of a network is 192.168.1.0, then its broadcast address must be 192.168.1.255.

- A.True Verified
- B.False

**Answer:** B

324.On Huawei AR G3 routers, what is the -i parameter of the Ping command in VRP used to set?

- A. The destination IP address of the Echo Reply message
- B. The source IP address of the Echo Request message
- C. Interface for receiving Echo Reply messages
- D. Interface for sending Echo Request messages

**Answer:** D

325.If the Proto of a route information in the routing table is OSPF, the priority of this route must be 10.

- A.True
- B.False

**Answer:** B

326.In the switch MAC address table, which of the following entries will not age?

- A. Dynamic MAC address table entry
- B. Static MAC address table entry
- C. Port MAC address table entry
- D. Device MAC address table entry

**Answer:** B

327.What is the transmission rate of an Eth-Trunk port in manual link aggregation mode related to?

(Multiple choice)

- A. Number of member ports
- B. Bandwidth of member ports
- C. If an IP address is configured on the member port
- D. If the member port is on the public or private network

**Answer:** AB

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

- A. If the port default vlan 3 command is configured for the connected remote device, VLAN 3 cannot communicate between the two devices
- B. All VLAN data frames are allowed to pass through this port
- C. The connected peer device can dynamically determine which VLAN IDs are allowed to pass
- D. The opposite port connected to the port must be configured with port trunk permit vlan all

**Answer:** B

329.Hybrid port can be connected to user host and other switches.

A.True

B.False

**Answer:** A

330. In which working state of the STP protocol can the port be changed to the Forwarding state without going through other states?

- A. Blocking
- B. Learning
- C. Listening
- D. Disabled

**Answer:** B

331. Switches running SIP protocol, the port needs to wait for the forwarding delay in the Learning state before it can be transformed into the Forwarding state.

A.True

B.False

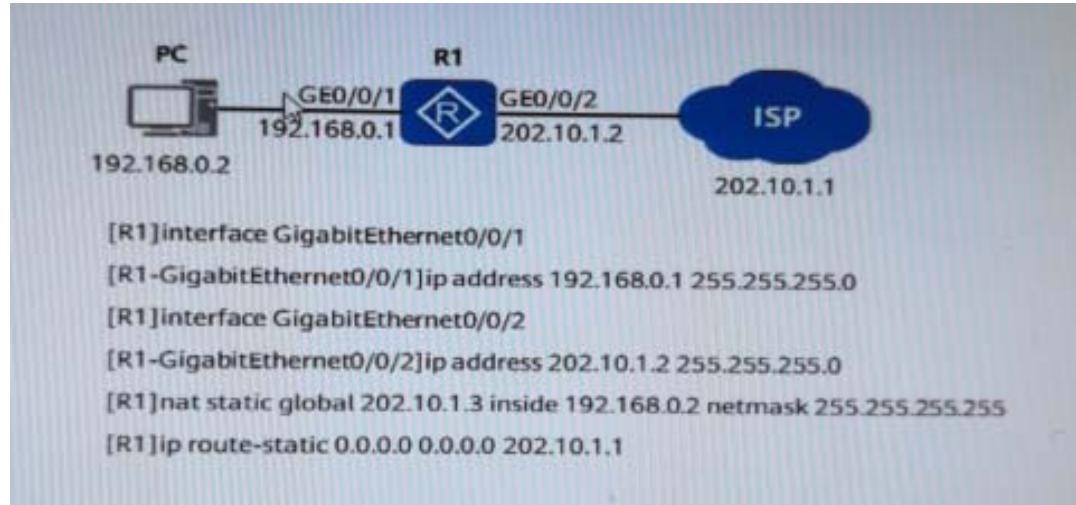
**Answer:** B

332. In order to realize the network layer function on VLANIF interface, what need to be configured on VLANIF interface? (Multiple choice)

- A. MAC address
- B. Subnet mask
- C. IP prefix
- D. IP address

**Answer:** BD

333. As shown in the figure, a static NAT command is deployed on router R1. When the PC accesses the Internet, the destination address in the data packet will not change.



A.True

B.False

**Answer:** A

334. A DHCP server is deployed in the network, but the administrator found that some hosts did not correctly obtain the address specified by the DHCP server. What are the possible reasons? (Multiple choice)

- A. The address pool of the DHCP server has all been allocated
- B. Some hosts cannot communicate with the DHCP server normally, and the client systems of these hosts automatically generate addresses in the range of 169.254.0.0
- C. There is another DHCP server in the network that works more efficiently
- D. Some hosts cannot communicate with the DHCP server normally, and the client systems of these hosts automatically generate addresses in the range of 127.254.0.0

**Answer:** ABC

335. On the AC, you can manually specify the source address or source interface of the CAPWAP tunnel.

A.True

B.False

**Answer:** A

336. AC uses CAPWAP control tunnel to transmit management messages to FIT AP.

A.True

B.False

**Answer:** A

337. What is the coverage area of an AP in WLAN?

A. BSS

B. SSID

C. BSSID

D.ESS

**Answer:** B

338. FIT AP can work independently without relying on AC.

A.True

B.False

**Answer:** B

339. In the CAPWAP tunnel establishment phase, after the AC receives the Join Request message sent by the AP, the AC will check the validity of the AP. Which of the following is the authentication method supported by the AC? (Multiple choice)

A. SN certification Verified

B. Password authentication Verified

C. MAC authentication Verified

D. Not certified

**Answer:** ABCD

340. Which of the following statements about the S field in the MPLS packet header are correct? (Multiple choice)

A. s bit has only 1 bit in frame mode and 2 bit in cell mode

B. s bit exists in every MPLS packet header

C. It is used to mark whether there are other labels behind this label, 1 means yes, 0 means no

D. It is used to mark whether there are other labels behind this label, 0 means yes, 1 means no

**Answer:** BD

341. The network management workstation manages network equipment through the SNMP protocol. When an abnormality occurs in the managed device, what kind of SHMP message will the network management workstation receive?

A. trap message

B. get-response message

C. set-request message

D. get-request message

**Answer:** A

342. What type of IPv6 address FE80: 2E0: FCFF: FE6F: 4F36 belongs to?

A. Multicast address

- B. Link local address
- C. Global semicast address
- D. Anycast address

**Answer:** B

343. The origin of SDN is the separation of transfer and control. The separation of transfer and control is a way to realize SDN, not the essence.

- A.True
- B.False

**Answer:** A

344. Which of the following IEEE802.11 standards only supports 2.4GHz frequency band for communication?

- A.802.11a
- B.802.11g
- C.802.11ax
- D.802.11n

**Answer:** B

345. Through SR (Segment Routing), an explicit path can be easily defined. The nodes in the network only need to maintain the SegmentRouting information to cope with the real-time rapid development of the business. What are the following characteristics of Segment Routing? (Multiple choice)

- A. By extending the existing protocol (eg IGP), the existing network can better and smoothly evolve
- B. SR (Segment Routing) adopts IP forwarding, no additional maintenance is required for another label forwarding table
- C. Adopting source routing technology to provide the ability to quickly exchange text between the network and upper-layer applications
- D. Support the centralized control mode of the controller and the distributed control mode of the transponder at the same time, and provide a balance between centralized control and distributed control

**Answer:** ACD

346. The MPLS label header is encapsulated between the data link layer header and the network layer header of the message.

- A.True
- B.False

**Answer:** A

347. If the MAC address of an interface is 00EO-FCEF-OFEC, what is its corresponding EUI-64 address?

- A.00EO-FCEF-FFFE-OFEC
- B.02EO-FCFF-FEEF-0FEC
- C.00EO-FCFF-FEEF-0FEC
- D.02EO-FCEF-FFFE-0FEC

**Answer:** B

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

- A. Dynamic routing protocols take up more system resources than static routing protocols.
- B. After the link fails, the static route can automatically complete the network convergence.
- C. After the administrator deploys the dynamic routing protocol in the corporate network, later maintenance and expansion can be more convenient
- D. Static routing is simple to configure and easy to manage when applied in the enterprise

**Answer:** B

349. Which of the following descriptions of OSPF areas are correct? (Multiple choice)

- A. All networks should be declared in zone 0
- B. The number of the backbone area cannot be 2
- C. Before configuring the OSPF area, an IP address must be configured for the loopback interface of the router
- D. The number range of the area is from 0.0.0.0 to 255.255.255.255

**Answer:** BD

350. The Layer 2 Ethernet switch generates entries in the MAC address table according to the ( ) of the Ethernet frame received by the port.

- A. Source IP address
- B. Source MAC address
- C. Destination MAC address
- D. Destination IP address

**Answer:** B

351. The MAC address table of existing switches is shown in the figure. Which of the following statement is correct?

<Huawei>display mac-address					
MAC address table of slot 0:					
MAC Address	VLAN/ VSI/SI	PEVLAN CEVLAN	Port	Type	LSP/LSR-ID MAC-Tunnel
5489-9811-0b49 1	-	-	Eth0/0/3	static	-
Total matching items on slot 0 displayed = 1					
MAC address table of slot 0:					
MAC Address	VLAN/ VSI/SI	PEVLAN CEVLAN	Port	Type	LSP/LSR-ID MAC-Tunnel
5489-989d-1d30 1	-	-	Eth0/0/1	dynamic	0/-
5489-9885-18a8 1	-	-	Eth0/0/2	dynamic	0/-
Total matching items on slot 0 displayed = 2					

- A. The MAC address 5489-9885-18a8 is manually configured by the administrator
- B. The MAC address 5489-9811-0b49 is manually configured by the administrator
- C. The MAC address 5489-989d-1d30 is manually configured by the administrator
- D. After the switch restarts, all MAC addresses need to be relearned

**Answer:** B

352. When the switch port sends a data frame carrying the same VLAN TAG and PVID, it must strip the VLAN TAG and forward it.

A.True

B.False

**Answer:** B

353. Which of the following levels is not a common network level in mid-sized campus network architecture?

A. Access layer

B. Core layer

C. Convergence layer

D. Network layer

**Answer:** D

354. UDP cannot guarantee the reliability of data transmission, and does not provide the functions of message sequencing and flow control. It is suitable for flows with low transmission reliability requirements but high transmission speed and delay requirements.

A.True

B.False

**Answer:** A

355. Which stage of the life cycle of campus network construction is the beginning of a project?

A. Network optimization

B. Network implementation

C. Planning and design

D. Network operation and maintenance

**Answer:** C

356. When the router is powered on, it will read the configuration file from the default storage path to initialize the router. If there is no configuration file in the default storage path, what will the router use for initialization?

A. Initial configuration

B. Current configuration

C. New configuration

D. Default parameters

**Answer:** D

357. In the OSPF protocol, which of the following descriptions of DR is correct? (Multiple choice)

A. If the priority values of the two routers are equal, the router with the larger Router ID is selected as the DR

B. By default, all routers in this broadcast network will participate in the DR election

C. If the priority values of the two routers are different, select the router with the lower priority as the DR

D. DR and BDR should also establish an adjacency relationship

**Answer:** ABD

358. Which of the following fields is not included in the HELLO packet of the OSPF protocol?

- A. Neighbor
- B. Network mask
- C. Sysname
- D. Hellointerval

**Answer:** C same as Q 319

359. If the network address of a network is 10.1.1.0/30, what is its broadcast address?

- A. 10.1.1.2
- B. 10.1.1.3
- C. 10.1.1.4
- D. 10.1.1.1

**Answer:** B

360. If the broadcast address of a network is 172.16.1.255, what might its network address be?

- A. 172.16.2.0
- B. 172.16.1.128
- C. 172.16.1.1
- D. 172.16.1.253

**Answer:** B same as Q 281

361. When the IPv4 protocol is used as the network layer protocol, which field is not included in the network layer header?

- A. Source IPv4 address
- B. Sequence number
- C. Destination IPv4 address
- D. TTL

**Answer:** B

362. When the router forwards a data packet, if it does not match the corresponding detailed route and there is no default route, it will directly discard the data packet.

- A. True
- B. False

**Answer:** A

363. What kind of message does the OSPF protocol use to send LSA to neighbors?

- A. LSU
- B. LSACK
- C. LSR
- D. LSA

**Answer:** A

364. Apply the ACL configured as shown in the figure in Telnet. Only the device with the IP address of 172.16.105.2 is allowed to log in remotely:

```
#  
acl number 2000  
rule 5 permit source 172.16.105.2 0
```

- #
- A.True
- B.False

**Answer:** A

365. Regarding the corresponding relationship between the access control list number and type, which of the following description is correct?

- A. The basic access control list number range is 1000-2999
- B. The access control list number range of the second layer is 4000-4999
- C. The number range of interface-based access control list is 1000-2000
- D. The range of advanced access control list numbers is 3000-4000

**Answer:** B

366. What is the number range of the Layer 2 ACL?

- A.2000-2999
- B.3000-3999
- C.4000~4999
- D.6000~6031

**Answer:** C

367. What is the destination IP address of the DHCP DISCOER message?

- A.127.0.0.1
- B.224.0.0.1
- C.224.0.0.2
- D.255.255.255.255

**Answer:** D

368. In the history of WLAN development, which of the following is not included in the main wireless protocol standards in the primary mobile office era?

- A.802.11g
- B.802.11a
- C.802.11b
- D.802.11ac

**Answer:** D

369. The router running the OSPF protocol can reach the FULL state after completing the LSDB synchronization.

**A.True** Verified same as Q 116

B.False

**Answer:** A

370. In order to distinguish different users and provide different network services on the AP. Which of the following can be configured?

A.VT

B.VAP

C.VAC

D. WAP

**Answer:** A

371. Network equipment running the SNMP protocol can take the initiative to report alarm information so that the network administrator can discover the fault in time.

A.True

B.False

**Answer:** A

372.The IPv6 protocol uses NS and NA packets for duplicate address detection (DAD).

A.True

B.False

**Answer:** A

373. Which of the following descriptions are correct about the concept of IEV architecture? (Multiple choice)

A.MANO is composed of NFVO.VNFN and VIM.

B.VFM. Virtual network function management, responsible for the life cycle management of VNF.

C.VIM (Virtualised Infrastructure Manager) virtual resource management, responsible for the virtualization of infrastructure.

D. NFVO (NEV Orchestrator) is responsible for business orchestration.

**Answer:** ABCD

374. Which of the following methods can read data non-blocking in Python's telnetlib?

A.telnet\_Read\_all

B.telnet\_read\_very\_lazy

C.telnet.\_read\_eager

D.telnet\_read \_very\_eager

**Answer:** C

375. Regarding the control plane of the device, which of the following statements is correct? (Multiple choice)

A. The control plane is responsible for the interaction of routing protocols between devices

B. The control plane provides equipment monitoring capabilities

C. The control plane is responsible for directing data forwarding

D. The control plane is responsible for generating the IP routing table

**Answer:** ABD

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

- A. Hostname Huawei
- B. Sysname Huawei
- C. Rename Huawei
- D. Do name Huawei

**Answer:** B

377. Which statement is wrong about the ARP message?

- A. ARP reply packets are sent unicast
- B. Any link layer protocol requires ARP messages to assist in obtaining data link layer identification
- C. ARP packets cannot be forwarded to other broadcast domains
- D. ARP request message is sent by broadcast

**Answer:** B

378. Which of the following networks belong to a local area network? (Multiple choice)

- A. Home network
- B. Office network of a company
- C. Internet
- D. Broadband Metropolitan Area Network

**Answer:** AB

379. Which statement about OSPF protocol DR is correct?

- A. DR must be the highest priority device in the network
- B. Router ID, the larger the value, the more preferred to be elected as DR
- C. DR election is preemptive
- D. An interface priority is 0, then the interface cannot be a DR

**Answer:** D

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

- A. Interface
- B. Destination/mask
- C. Nexthop
- D. Protocol
- E. Cost

**Answer:** ABCDE

381. The following rules exist in a certain 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 statement is correct?

- A. The source IP is 192.168.1.1, the destination IP is 172.16.10.1, and all TCP packets whose destination port number is 21 match this rule
- B. The source IP is 192.168.1.1, the destination IP is 172.16.10.2, and all TCP packets whose destination port number is 21 match this one

- C. The source IP of the rule is 192.168.1.1, the destination IP is 72.16.10.3. All TCP packets with the destination port number of 21 match this rule
- D. The type of ACL is a basic ACL

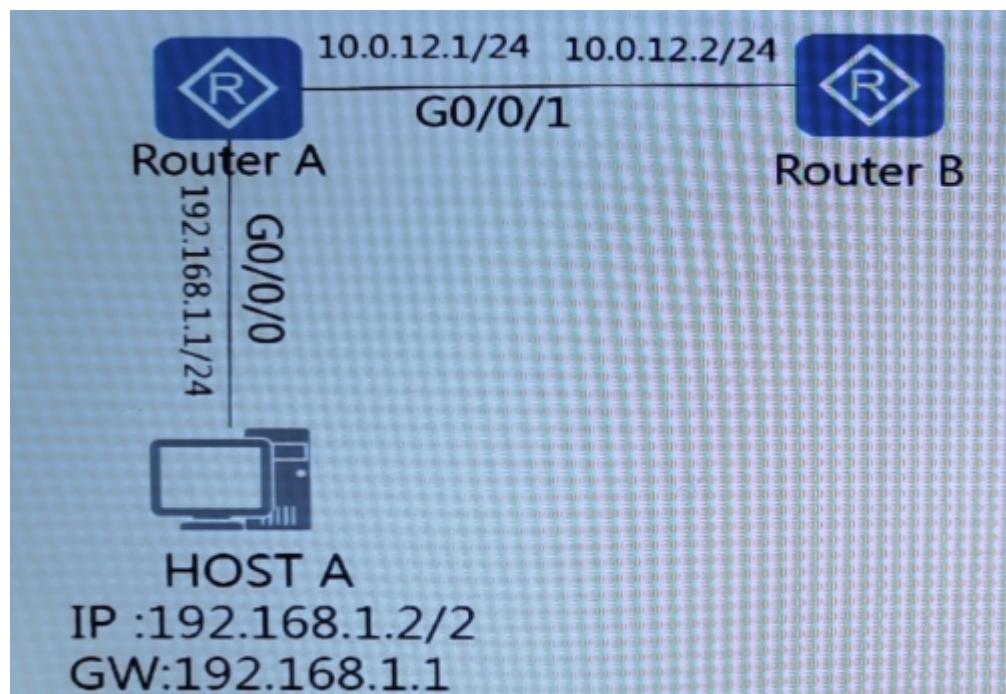
**Answer:** A

382. Which of the following parameters cannot be used in the advanced visit control list?

- A. Protocol number
- B. Destination port number
- C. Physical interface
- D. Time range

**Answer:** C

383. In the network shown in the figure below, host A logs in to router A through Telnet, and then obtains the configuration file of router B through FTP on the remote interface. How many TCP connections exist on router A at this time?



- A.1
- B.2
- C.3
- D.4

**Answer:**C

384. Which type of message is used by network devices running SNMPv 1 protocol to actively send alarm information?

- A. Trap
- B. Response
- C. Get Request
- D. Get-Next Request

**Answer: A**

385. By default, network devices running SNMPv2c protocol use which of the following port numbers to send trap messages to the network management system?

- A.6
- B.161
- C.17
- D.162

**Answer: D**

386. Which of the following types of addresses is not included in IPv6 addresses?

- A. Anycast address
- B. Broadcast address
- C. Unicast address
- D. Multicast address

**Answer: B same as Q 271**

387. In the VRP interface, use the command startup saved-configuration backup.cfg. to configure the backup.cfg file for the next startup.

- A.True
- B.False

**Answer: A**

388. Which of the following statements about Trunk port and Access port are correct?

- A. Trunk ports can only send untagged frames
- B. Access port can only send tagged frames
- C. Trunk ports can only send tagged frames
- D. Access port can only send untagged frames

**Verified same as Q 172**

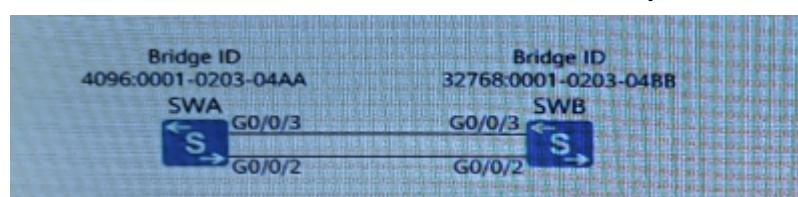
**Answer: D**

389. If the Length/Type of an Ethernet data frame is 0X8100, which of the following is correct?

- A. This data frame must carry VLAN TAG **Verified same as Q 183**
- B. There must be a UDP header in the upper layer of this data frame
- C. There must be an IP header in the upper layer of this data frame
- D. There must be a TCP header in the upper layer of this data frame

**Answer: C**

390. The two switches shown below have both enabled the STP protocol. An engineer made the following conclusions on this network. Which conclusions do you think are correct? (Multiple choice)



- A. The G0/0/3 port of SWA is stable in Forwarding state
- B. The G0/0/2 port of SWA is stable in Forwarding state
- C. Both ports of SWA are designated ports
- D. G0/0/2 port of SWB is stable in Forwarding state
- E. Both ports of SWB are designated ports

**Answer:** ABCD

391. What is the length of the Ethernet\_II frame containing the Ethernet header?

- A.60-1560B
- B.46-1500B
- C.64-1500B
- D.64-1518B

**Answer:** B

392. By default, the bridge priority of Huawei switches is 32768.

- A.True
- B.False

**Answer:** A

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

- A.vlan 4094
- B.vlan 2
- C.vlan 1
- D.vlan 1024

**Answer:** ABD

394. According to the command shown in the figure, which of the following description is correct? (Multiple choice)

```
[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 of GigabitEthernet0/0/2 port is 1
- B. The PVID of GigabitEthernet0/0/1 port is 10
- C. The PVID of GigabitEthernet0/0/2 port is 10
- D. The PVID of GigabitEthernet0/0/1 port is 11

**Answer:** AB

395. Which of the following advantages does the router-on-a-stick approach achieve routing intercommunication between VLANs?

- A. Reduce the number of equipment
- B. Reduce routing table entries
- C. Reduce the use of IP addresses

D. Reduce the number of chain connections

**Answer:** D

396. When the host frequently moves, which VLAN division method is most appropriate?

- A. Based on AC address division
- B. Based on strategy division
- C. Based on IP subnet division
- D. Based on port division

**Answer:** C

397. Which of the following description are wrong about the Forwarding state in the spanning tree protocol? (Multiple choice)

- A. The port in the Forwarding state can forward data packets
- B. The port in the Forwarding state does not learn the source MAC address of the packet
- C. Ports in Forwarding state can receive BPDU packets
- D. The port in the Forwarding state will definitely send BPDU packets

**Answer:** BD

398. On the VRP platform, what is the role of the command "interface vlan **int** <vlan-id>" ?

- A. Create a VLAN
- B. No such command
- C. Create or enter VLAN virtual interface view
- D. Configure VLAN for a port

**Answer:** C

399. The second layer ACL can match the source MAC, destination MAC, source IP, destination IP and other information.

A.True

B.False

**Answer:** B

400. The configuration of the country code will affect the actual transmission frequency and maximum transmission power.

A.True

B.False

**Answer:** A

401. What equipment is generally involved in the wlan deployment scheme in the enterprise scenario? (Multiple choice)

- A. AC(Acess Controller)
- B. Poe switch
- C. CPE
- D. AP

**Answer:** ABD

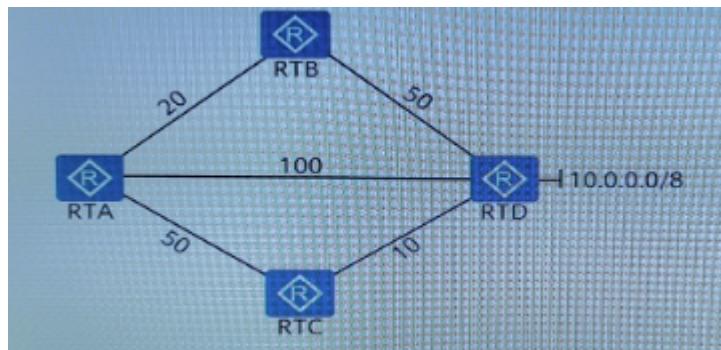
402. The role of telnet.read\_all() in Telnetlib is to read all data until EOF. If the echo does not return EOF, it will always be blocked.

A.True

B.False

**Answer:** A

403. In the network shown in the figure below, all routers run the OSPF protocol, and the link cost value is shown in the figure. What is the cost value of the route entry to the network 10.0.0.0/8 in the RTA routing table?



A.70

B.100

C.20

D.60

**Answer:** D

404. The router output information is shown in the figure. Which of the following statements is wrong?

```
R1>display ip interface Ethernet 0/0/0
Ethernet0/0/0 current state : UP
Line protocol current state : UP
The Maximum Transmit Unit : 1500 bytes
input packets : 3645, bytes : 287468, multicast : 3590
output packets : 3715, bytes : 294616, multicast : 3684
Directed-broadcast packets:
    received packets:          0, sent packets:          0
    forwarded packets:         0, dropped packets:        0
ARP packet input number:      29
    Request packet:           18
    Reply packet:             16
    Unknown packet:           0
Internet Address is 10.0.12.1/24
Broadcast address : 10.0.12.255
```

A. The IP address of the Ethernet0/0/0 interface is 10.0.12.1/24

B. The MTU value of the Ethgrnet0/0/0 interface is 1480

C. The physical link of the Ethernet0/0/0 interface is normal

D. The broadcast address corresponding to the Ethernet0/0/0 interface is 10.0.12.255

**Answer:** B

405. As shown in the figure below, which of the following statement is correct?



- A. Host A can ping host B
- B. Only when the masks of host A and host B are set to always, host A and host B can communicate
- C. The broadcast address of host A and host B are the same
- D. The IP address masks of host A and host B are different, so host A and host B cannot communicate

**Answer:** D

406.ip route-static 10.0.12.0 255.255.255.0 192.168.1.1, which description about this command is correct?

- A. This command configures a route to the 10.0.12.0 network
- B. The priority of this route is 100
- C. If the router learns a route with the same destination network as this route through other protocols, the router will prefer this route
- D. This command configures a route to the 192.168.1.1 network

**Answer:** A

407.What address does 192.168.1.127/25 represent?

- A. Broadcast
- B. Multicast
- C. Network
- D. Host

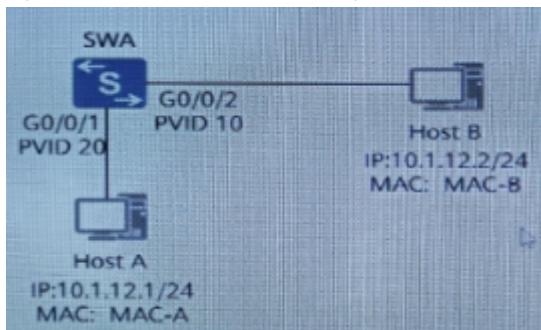
**Answer:** A

408. What are the characteristics of VLAN based on port?

- A. Add VLAN tags to the data frame according to the IP address carried in the message
- B. Assign VLAN ID according to the protocol type and encapsulation format of the data frame
- C. No need to reconfigure VLAN when the host moves
- D. The host mobile location needs to be reconfigured VLAN

**Answer:** D

409.As shown in the figure below, the network and switch configuration information are shown in the figure. Which of the following statements is 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. Data frames on the two links do not contain VLAN TAG
- B. The PVID of the switch GigabitEthernet0/0/1 port is 20
- C. Host A and Host B can be pinged
- D. Host point and host B cannot ping

**Answer:** ABD

410. In the STP protocol, which of the following factors will affect the election of the root switch? (Multiple choice)

- A. The IP address of the switch
- B. Switch interface ID
- C. Switch interface bandwidth port
- D. Switch priority
- E. MAC address of the switch

**Answer:** DE

411. The configuration information of a interface of the router is shown in the figure, then which VLAN data packet can this port receive?

```
interface Gigabit Ethernet 0/0/2.30  
dot1q terainat1on vid 100  
ip address 10.0.21.1 255.255.255.0  
arp broadcast enable
```

- A.1
- B.100
- C.30
- D.20

**Answer:** B

412. In a Layer 2 network with redundant links, which of the following protocols can be used to avoid loops?

- A. VRRP
- B. ARP
- C. UDP
- D. STP

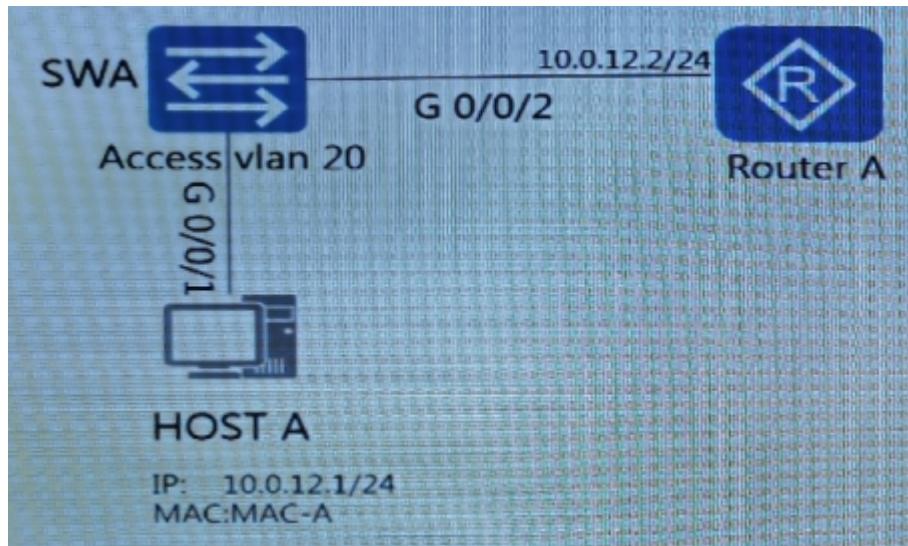
**Answer:** D

413. When the switch port receives a data frame that does not carry VLAN TAG, it must add PVID

- A.True
- B.False

**Answer: A**

414. As shown in the figure below, the router uses a sub-interface as the gateway of the host. The IP address of the gateway is 10.0.12.2. Which of the following commands can achieve this requirement? (Multiple choice)



A.Interface GigabitEthernet0/0/0.20

Dot1q termination vid 10

ip address 10.0.12.2 255.255.255.0

Arp broadcast enable

#

B.Interface GigabitEthernet0/0/0.10

Dot1q termination vid 10

ip address 10.0.12.2 255.255.255.0

Arp broadcast enable

#

C.Interface GigabitEthernet0/0/0.10

Dot1q termination vid 20

ip address 10.0.12.2 255.255.255.0

Arp broadcast enable

#

D.Interface GigabitEthernet0/0/0.20

Dot1q termination vid 20

ip address 10.0.12.2 255.255.255.0

Arp broadcast enable

#

**Answer: CD**

415.The output information of a switch is shown in the figure. Which of the following interfaces can forward data frames with VLAN ID 40 and do not carry tags when forwarding?

<SWA>display vlan			
The total number of vlans is : 5			
U: Up;	D: Down;	TG: Tagged	UT: Untagged
MP: Vlan-mapping;		ST: Vlan-stacking;	
#: ProtocolTransparent-vlan;		*: Management-vlan	
<b>VID</b>	<b>Type</b>	<b>Ports</b>	
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)	
		TG:GE0/0/1(U)	GE0/0/3(U) GE0/0/4(U)

A.GE0/0/2

B.GE0/0/5

C.GE0/0/3

D.GE0/0/4

**Answer:** B

416.Which of the following packet types is used by RADIUS to indicate authentication rejection?

A.Access-Accept

B.Access-Request

C.Access-Challenge

D.Access-Reject

**Answer:** D

417.NAPT distinguishes the IP addresses of different users through the protocol numbers in TCP, UDP, or IP packets.

A. True

B. False

**Answer:** B

418.Which of the following authentication methods does not require the user name and password?

A. authentication-mode local

B. authentication-mode none

C.authorization-mode hwtacacs

D.Authentication-mode hwtacacs

**Answer:** B

419.Telnet is based on TCP protocol.

A. True

B. False

**Answer:** A

420. CAPWAP protocol stipulates the communication standard between AC and Ap. Which of the following statements about CAPWAP protocol is correct?

- A. CAPWAP is an application layer protocol based on TCP transmission
- B. In order to establish a CAPWAP tunnel, FIT Ap can only discover AC through broadcast messages
- C. CAPWAP In order to reduce the burden on the AP, a tunnel is used to transmit control messages and data messages at the same time
- D. AP can encapsulate the user's data message in CAPWAP and forward it by AC

**Answer:** B

421. The wireless access controller (AC, Access Controller) is the unified management and control device in the FIT AP architecture. Which of the following description of the role of AC is wrong?

- A. No matter when the data is forwarded, the user's data message will be forwarded by AC
- B. User access control
- C. User access authentication
- D. AP configuration delivery

**Answer:** A

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

- A.32
- B.8
- C.4
- D.16

**Answer:** B

423.,:: 1/128 is the IPv6 loopback address.

- A. True
- B. False

**Answer:** A

424. Which of the following IPv6 is a global unicast address?

- A.2001::12:1
- B.FF02::1
- C.FF::02::2E0:FCFF:FEEF:FEC
- D.FEE:FCFF:FEEF:FEC

**Answer:** A

425. In the campus network planning, which of the following ways can business VLAN be divided?

- A. Divide vlan by access member structure
- B. Divide VLAN by business
- C. Divide VLAN by logical area
- D. Divide VLAN by geographical area

**Answer:** B

426. When configuring the router through the Console, what is the correct setting of the terminal emulation program?

- A. 19200bps, 8 data bits, 1 stop bit, no checksum and no flow control
- B. 9600bps, 8 data bits, 1 stop bit, even parity and hardware flow control
- C. 9600bps, 8 data bits, 1 stop bit, no checksum and no flow control
- D. 4800bps, 8 data bits, 1 stop bit, odd checksum and no flow control

**Answer:** C

427. In the VRP interface, use the command delete vrpcfg.zip to delete the file. You must empty the recycle bin to completely delete the file.

A. True same as Q 179

B. False

**Answer:** A

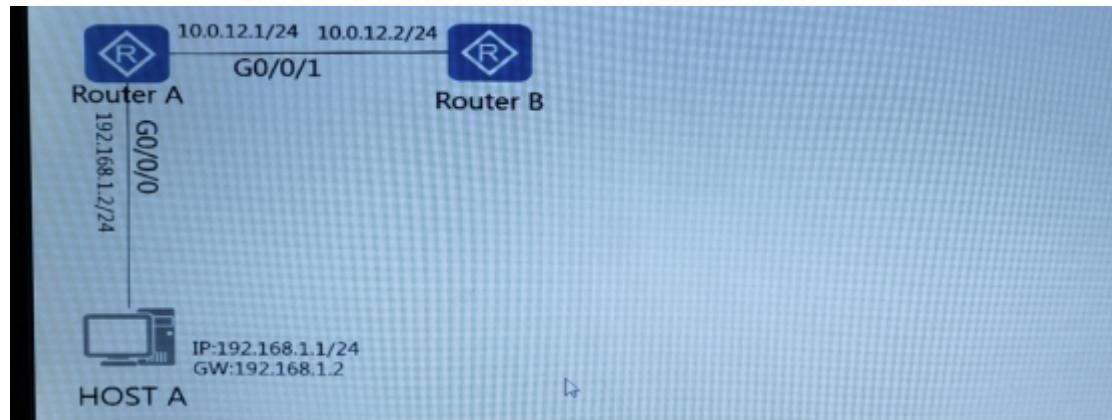
428. The router running the OSPF protocol reaches the FULL state first, and then synchronizes the LSDB.

A. True

B. False

**Answer:** B

429. As shown in the following figure, router A and router B establish an OSPF neighbor relationship. The OSPF process number of router A is 1, and the area number is 0. Which of the following configurations on router A can enable router B to obtain the network segment of host A routing? (Multiple choice)



- A. ospf 1  
Area 0.0.0  
Network 192.168.1.2 0.0.0.0
- B. ospf 1  
Import-route direct
- C. ospf 1  
Area 0.0.0.0  
Network 192.168.0.0 0.0.255.255
- D. ospf 1  
Area 0.0.0.0

Network 192.168.1.0 0.0.0.255

**Answer:** BCD

430.How to enter the view of OSPF area 0 in the vrp operating system? (Multiple choice)

- A. [Huawei-ospf-1] area 0 enable
- B. [Huawei-ospf-1] area 0
- C. [Huawei] ospf area 0
- D. [Huawei-ospf-1] area 0.0.0.0

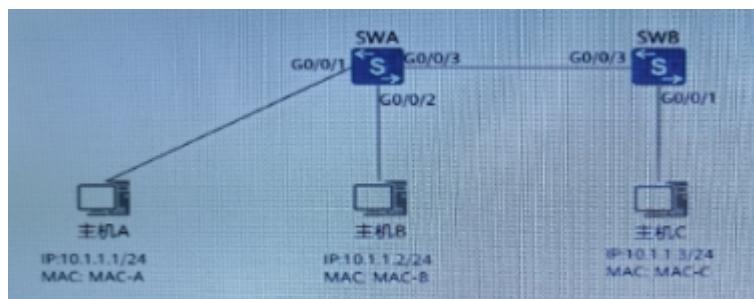
**Answer:**BD

431.What is the protocol number corresponding to the ospf protocol at the network layer?

- A.89
- B.6
- C.0
- D.1

**Answer:** A

432.As shown in the figure below, all hosts can pass normally, so what is correct about the correspondence between the MAC address and the port in the MAC table of the SWB?



A.MAC-A GO/0/2  
MAC-B G0/0/2  
MAC-C G0/0/3

B.MAC-A G0/0/3  
MAC-B G0/0/3  
MAC-C GO/0/1

C.MAC-A G0/0/1  
MAC-B G0/0/1  
MAC-C G0/0/3

D.MAC-A G0/0/1  
MAC-B G0/0/2  
MAC-C G0/0/3

**Answer:**B

433.Which of the following statements about the role of STP protocol Forward Delay is correct?

- A. Prevent temporary loops
- B. There is a delay when the Blocking state and the Disabled state are converted
- C. Reduce the time interval of BPDU sending. Improve the convergence speed of STP
- D. Improve the survival time of BPDUs to ensure that the configured BPDUs can be forwarded to more switches

**Answer:** A

434.The configuration information of a certain port of the switch is shown in the figure. Which of the following statements is wrong?

```
#  
interface GigabitEthernet0/0/2  
port hybrid pvid vlan 100  
port hybrid tagged vlan 100  
port hybrid untagged vlan 200  
#
```

- A. The port type is Hybrid
- B. If the port receives a data frame without VLAN TAG, the switch needs to add VLAN TAG 100
- C. If the VLAN TAG carried in the data frame is 200, the switch strips off the VLAN TAG
- D. If the VLAN TAG carried in the data frame is 100, the switch will strip off the VLAN TAG and send it out

**Answer:**D

435.Neither the Alternate interface nor the Backup port in RSTP can forward user traffic, nor can they receive, process, and forward BPDUs.

- A. True

- B. False

**Answer:** B

436. Which of the following statements about VLANIF interfaces are correct?

- A. VANIF interface does not need to learn MAC address
- B. VLANTF interface has no MAC address
- C. Different VLANIF interfaces can use the same IP address
- D. VLANIF interface is a three-layer interface

**Answer:** D

437. Which of the following statements about the edge port in the RSTP protocol is correct?

- A. The edge port discards the received configuration BPDU packet
- B. The edge port can be directly transferred from Disable to Forwarding state
- C. Edge port participates in RSTP operation
- D. The interconnection ports between switches need to be set as edge ports

**Answer:** B

438. Static NAT can only achieve one-to-one mapping between private addresses and public addresses.

- A. True
- B. False

**Answer:** A

439. A certain ACL of the router is in the following rules, rule deny source 192.168.2.0 0.0.0.255 destination 172.16.10.2 0.0.0.0 Which statement is correct?

- A. All TCP packets whose source IP is 172.16.10.2. Destination IP is 192.168.2.1 match this rule
- B. All TCP packets whose source IP is 192.168.2.1 and destination IP is 172.16.10.1 match this rule
- C. All TCP packets whose source IP is 172.16.10.2 and destination IP 192.168.2.0 match this rule
- D. All TCP packets whose source IP is 192.168.2.1 and destination IP is 172.16.10.2 are configured with this rule.

**Answer:** D

440.RADIUS is a common protocol to implement AAA.

- A. True
- B. False

**Answer:** A

441. What kind of message does the DHCP server use to confirm that the host can use the IP address?

- A. DHCP DISCOVER
- B. DHCP ACK
- C. DHCP OFFER
- D. DHCP REQUEST

**Answer:** C

442.The administrator has configured the router as shown in the figure, then what IP address can a host connected to the G1/0/0 interface of the router obtain through DHCP?

```
[Router] ip pool pool1
[Router-ip-pool-pool1] network 10.10.10.0 mask 255.255.255.0
[Router-ip-pool-pool1] gateway-list 10.10.10.1
[Router-ip-pool-pool1] quit
[Router] ip pool pool2
[Router-ip-pool-pool2] network 10.20.20.0 mask 255.255.255.0
[Router-ip-pool-pool2] gateway-list 10.20.20.1
[Router-ip-pool-pool2] quit
[Router] interface gigabitethernet 1/0/0
[Router-GigabitEthernet1/0/0] ip address 10.10.10.1 24
[Router-GigabitEthernet1/0/0] dhcp select global
```

- A. The IP address data obtained by the host 10.10.10.0/24
- B. The IP address obtained by the host may belong to the 10.10.10.0/24 network, or it may belong to the 10.20.20.0/24 network
- C. The host cannot obtain an IP address
- D. The IP address obtained by the host belongs to the 10.20.20.0/24 network

**Answer:** A

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

- A. display users
- B. display version
- C. display this
- D. display ip interface brief **Verified**

**Answer:** A

444. What command views exist in the VRP operating platform? (Multiple choice)

- A. User view **Verified**
- B. Interface view **Verified**
- C. Agreement view
- D. System view **Verified**

**Answer:** ABCD

445. On the VRP platform, which of the following methods can be used to access the previous history commands?

- A. Ctr1+U
- B. Ctr1+P
- C. Left cursor
- D. Up cursor

**Answer:** D

446. The subnet mask of a network segment 150.25.0.0 is 255.255.224.0, then what is a valid host address in the network segment?

- A. 150.25.2.24
- B. 150.25.0.0
- C. 150.25.1.255
- D. 150.15.3.30

**Answer:** A

447. On the broadcast network, both DR and BDR use the multicast address 224.0.0.6 to receive link state update messages.

- A. True
- B. False

**Answer:** B

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

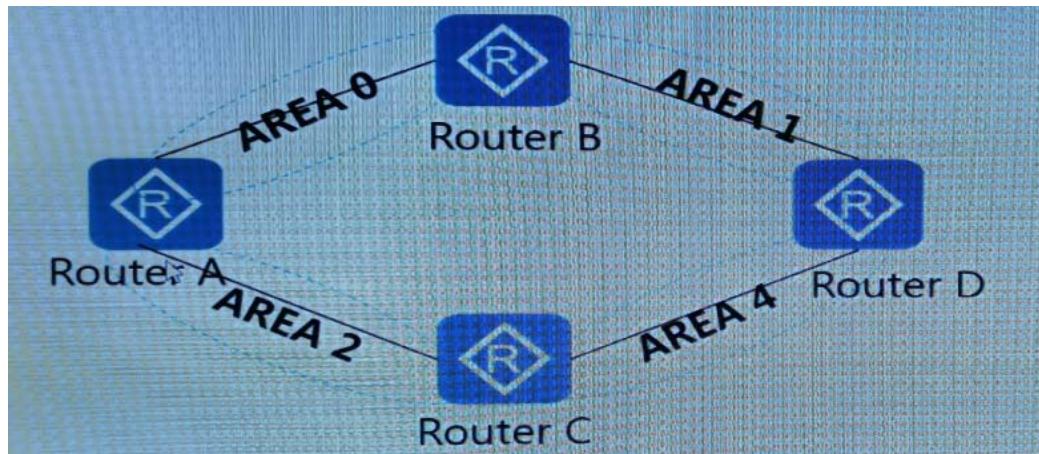
- A. Reduce the number of adjacencies
- B. Reduce the types of OSPF protocol packets
- C. Reduce the time to establish adjacency
- D. Reduce the number of exchanges of link state information.

**Answer:** AD

449. Which of the following statement about the TTL field in the IP packet header is correct?
- TTL defines the time interval at which the source host can send data packets
  - TTL defines the number of packets that the source host can send
  - Every time an IP packet passes through a router, its TTL value will be reduced by 1
  - Each time an IP packet passes through a router, its TTL value will be increased by 1

**Answer:** C

- 450.In the network shown in the figure below, all routers run OSPF protocol, which device is ABR?
- (Multiple choice)



- Router A
- Router C
- Router D
- Router B

**Answer:** AD

- 451.It is known that there are two entries in the routing table of a router. If the router wants to forward packets with the destination address of 9.1.4.5, which of the following statements is correct?

Destination/Mask	Protocol	Pre	Cost	Nexthop	Interface
9.0.0.0/8	OSPF	10	50	1.1.1.1	Serial0
9.1.0.0/16	IS-IS	15	100	2.2.2.2	Ethernet0

- Choose the second item as the best matching item, because the cost of the RIP protocol is small
- Select the second item as the best matching item, because the route is a more accurate match relative to the destination 9.1.4.5
- Choose the second item as the best match, because Ethernet0 is faster than serial0
- Select the first item as the best matching item, because the priority value of the ospf protocol is higher

**Answer:** B

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

- True
- False

**Answer:** A

453. When the LACP mode is used for link aggregation, what is the default system interference level of Huawei switches?

- A.36864
- B.4096
- C.24576
- D.32768

**Answer:** D

454. After the network administrator uses the TracertRoute function on the router device, in the data packet sent by the router, what is the value of the Protocol field in the IPv4 header?

- A.17
- B.2
- C.6
- D.1

**Answer:** D

455.The information shown in the figure is the port status information displayed on a switch running STP. According to this information, which of the following description is wrong?

MSTID	Port	Role	STP State	Protection
0	GigabitEthernet0/0/1	DESI	FORWARDING	NONE
0	GigabitEthernet0/0/2	DESI	FORWARDING	NONE
0	GigabitEthernet0/0/13	DESI	FORWARDING	NONE
0	GigabitEthernet0/0/21	DESI	FORWARDING	NONE
0	GigabitEthernet0/0/22	DESI	FORWARDING	NONE
0	GigabitEthernet0/0/23	DESI	FORWARDING	NONE

- A. The priority of this switch is 0
- B. This network may only contain this switch
- C. This switch may be connected to six other switches
- D. This switch is the root switch in the network

**Answer:** A

456. Two authentication domains "Area1" and "Area 2" are configured on a router acting as an authentication server. If the user authenticates with the correct user name "huawei" and password "hello", this user will be assigned In which authentication domain?

- A. Authentication domain "Area 1"
- B. Authentication domain "default domain"
- C. Authentication domain "default\_admin domain"
- D. Authentication domain "Area2"

**Answer:** B

457. By default, it takes at least 30s for the port status in the STP protocol to change from Disabled to Forwarding.

- A. True
- B. False

**Answer:** A