



**Vendor:** Huawei

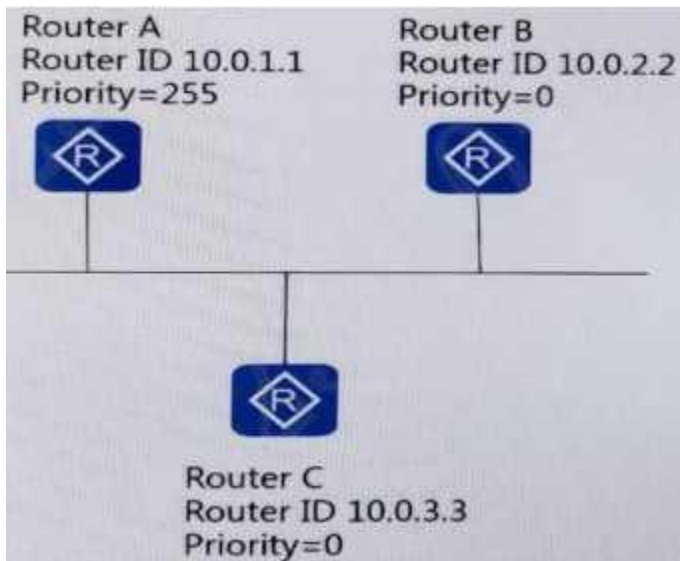
**Exam Code:** H12-811\_V1.0

**Exam Name:** HCIA-Datacom V1.0

**Version:** DEMO

### QUESTION 1

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. Full
- B. 2-way
- C. Attempt
- D. Down

**Answer: B**

### QUESTION 2

The switch G0/0/1 port configuration information is shown in the figure. Which VLAN data frame does the switch forward without VLAN TAG? ? () (Single-choice question)

```
#
interface GigabitEthernet0/0/1
 port link-type trunk
 port trunk pvid vlan 10
 port trunk allow-pass vlan 10 20 30 40
#
```

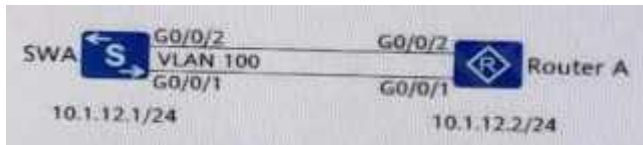
- A. 10
- B. 30
- C. 20
- D. 40

**Answer: A**

### QUESTION 3

In the network shown in the figure below, switch A and router A are connected by 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 forwarding. It needs to carry VLAN TAG100, and switch A uses trunk link. Which of the following configurations should be used for switch A? ()

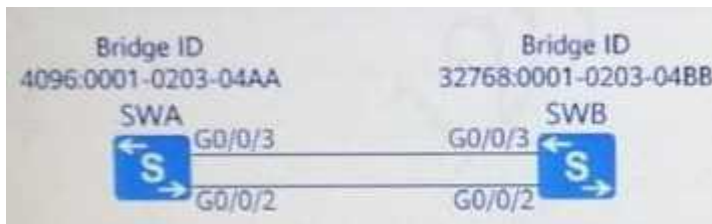


- A. interface Eth-Trunk 1  
Port link-type trunk  
Port trunk allow-pass vlan 100#  
Interface GigabitEthernet0/0/1 Eth-trunk 1  
#  
Interface GigabitEthernet0/0/2 Eth-trunk 1  
#
- B. interface Vlanif 100  
Ip address 10.0.12.125 255.255.255.0  
#
- C. interface Eth-Trunk 1  
Ip address 10.0.12.125 255.255.255.0#
- D. interface Eth-Trunk 1  
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  
#

**Answer: D**

#### QUESTION 4

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

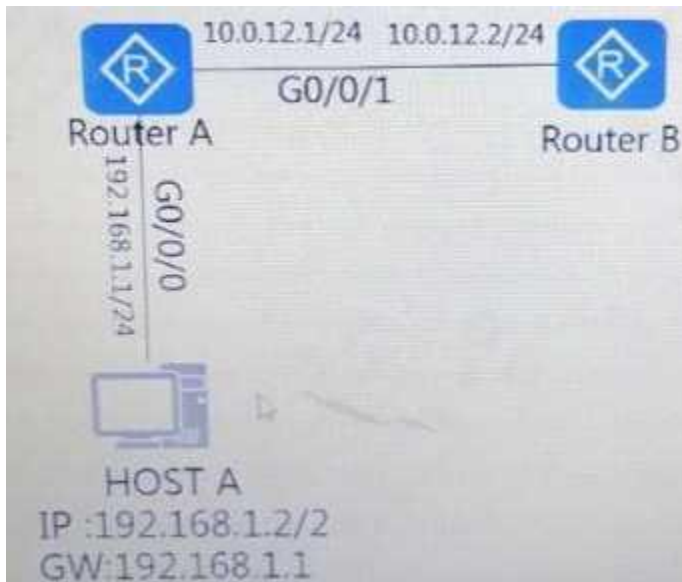


- A. SWA's G0/0/3 port
- B. SWA's G0/0/2 port
- C. G0/0/2 port of SWB
- D. G0/0/3 port of SWB

**Answer: D**

### QUESTION 5

In the network as shown in the figure below, host A logs in to router A through Telnet. Then obtains the configuration file of router B through FTP on the remote interface. At this time, how many TCP connections does router A have? () (Single-choice question)



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

Answer: C

### QUESTION 6

As shown in the picture. About OSPF topology and configuration. Which of the following statements is correct? () (Single-choice question)

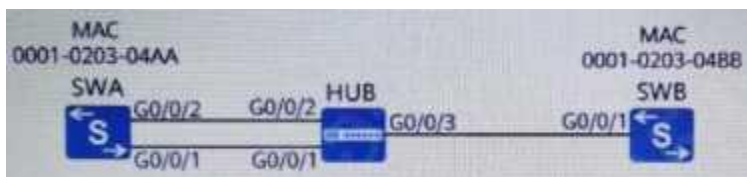


- A. R1 and R2 can establish a stable OSPF neighbor relationship
- B. R1 is more likely to become DR than R2, because its interface DR priority value is smaller
- C. As long as the interface network type of R1 is restored to the default broadcast type, R1 and R2 can establish a stable neighbor relationship
- D. As long as the interface network type of R1 is restored to the default broadcast type, and the hello time is adjusted to 10s, R1 and R2 can establish a stable neighbor relationship

**Answer: D**

#### QUESTION 7

As shown in the figure, two switches use the default parameters to run STP root primary; Switch B uses the configuration command STP priority 0. Then which port will be blocked? () (Single-choice question)



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

**Answer: B**

#### QUESTION 8

As shown in the figure below. All hosts can communicate normally. Is the corresponding relationship between SWA MAC address and port correct? () (Single-choice question)



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

#### QUESTION 9

The configuration information of a certain port of the switch is shown in the figure. Which of the following statements is wrong? () (Single-choice question)

```

?
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 VLAN TAG carried in the data frame is 200, the switch will strip off the VLAN TAG and send it out
- C. If the port receives a data frame without VLAN TAG, the switch needs to add VLAN TAG100
- 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

#### QUESTION 10

As shown in the figure, if the command ping 10.1.1.2 is executed on R1, the data frame of VLAN 10 received from LSW2 by LSW1 is tagged. ()(True or False)

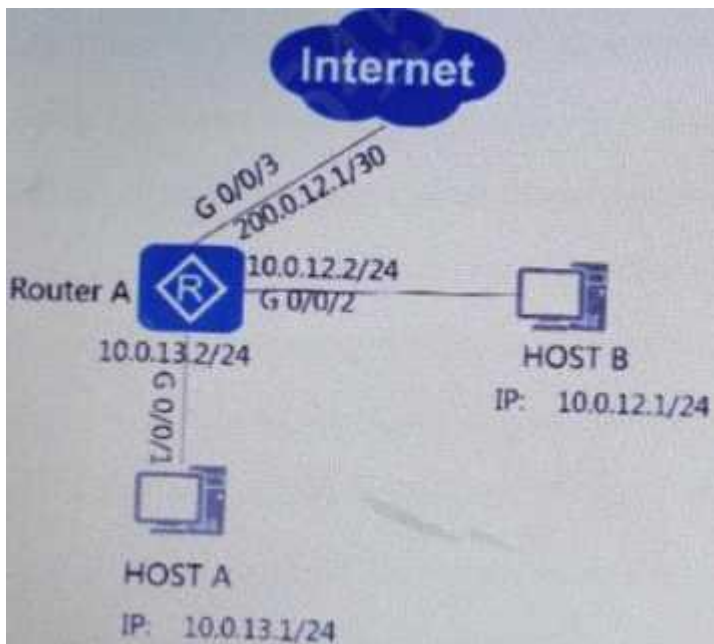


- A. True
- B. False

**Answer: A**

#### QUESTION 11

The network shown in the figure below. The network where host A is required to access the Internet through Easy IP, then which of the following ACLs should be used on the G0/0/3 interface of router A? () (Single-choice question)



- A. acl number 2000 Rule 5 permit source 10.0.12.0.0.0.0.255#
- B. acl number 2000 Rule 5 permit source 10.0.13.0.0.0.0.255#
- C. acl number 2000 Rule 5 permit source 10.0.12.1.0.0.0.0#
- D. acl number 2000 Rule 5 permit source 10.0.13.1.0.0.0.0

**Answer: B**

#### QUESTION 12

As shown in the figure below, what kind of network equipment can host A and host B use to communicate? () (Single-choice question)

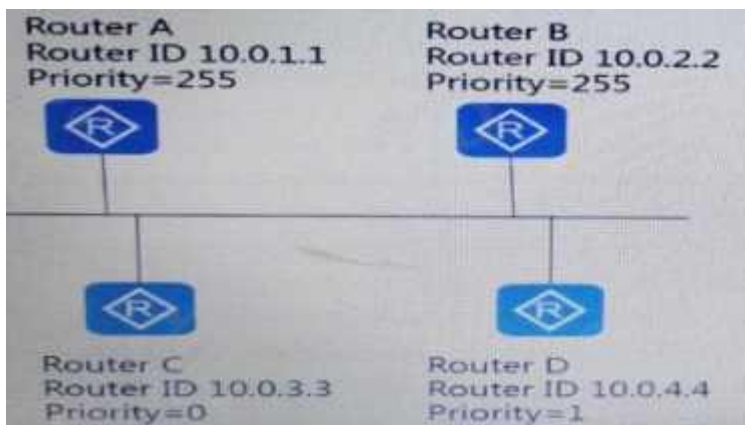


- A. Layer 2 switch
- B. Hub
- C. router
- D. HUB

**Answer: C**

#### QUESTION 13

The network shown in the figure below assumes that all routers can enable OSPF at the same time. Which router is the DR in this network? () (Single-choice question)



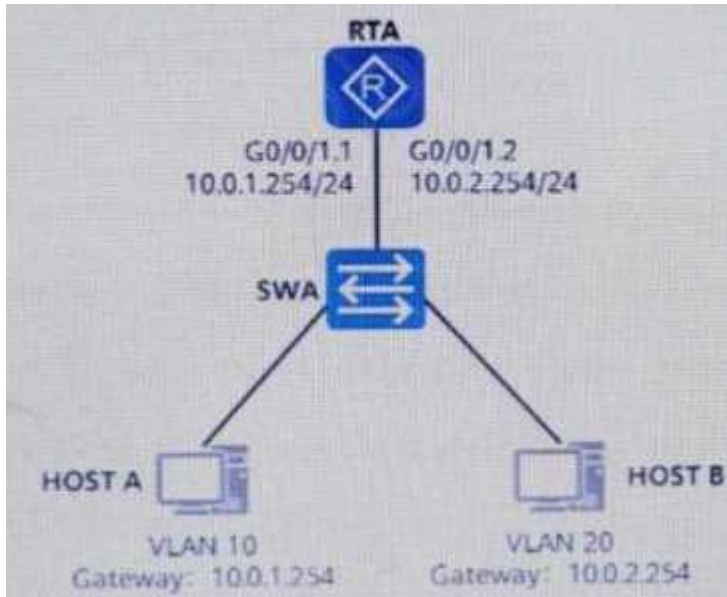
- A. Router B
- B. Router D
- C. Router A
- D. Router C

**Answer: A**

#### QUESTION 14

As shown in the figure, host A and host B want to implement inter-VLAN communication through single-arm routing. What configuration should be done under the G0/0/1.1 interface of RTA?()(Single-choice question)



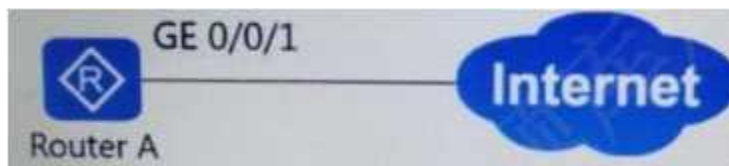


- A. dot1q termination vid 1
- B. dot1q termination vid 10
- C. dot1q termination vid 20
- D. dot1q termination vid 30

**Answer: B**

#### QUESTION 15

As shown in the figure, the administrator hopes that all hosts cannot access the Internet from 8:00 to 17:00 every day. Which ACL rule needs to be bound to traffic-filter outbound in the interface configuration of G0/0/1? ( ) (Single-choice question)



- A. time-range am9 to pm5 08:00 to 17:00 working-day # Ac1 number 2003 Rule 5 deny time-range am9 to pm560 H12-811HCIA-Datacom655 new question bank#
- B. time-range am9 to pm5 08:00 to 17:00 daily # Acl number 2001 Rule 5 deny time-range am9 to pm5 #
- C. time-range am9 to pm5 07:00 to 18:00 daily # Acl number 2002 Rule 5 permit time-range am9 to pm5 #
- D. time-range am9 to pm5 08:00 to 17:00 off-day # Acl number 2004 Rule 5 permit time-range am9 to pm5

**Answer: B**

#### QUESTION 16

Regarding the configuration shown in the figure, which statement is correct? () (Single-choice question)

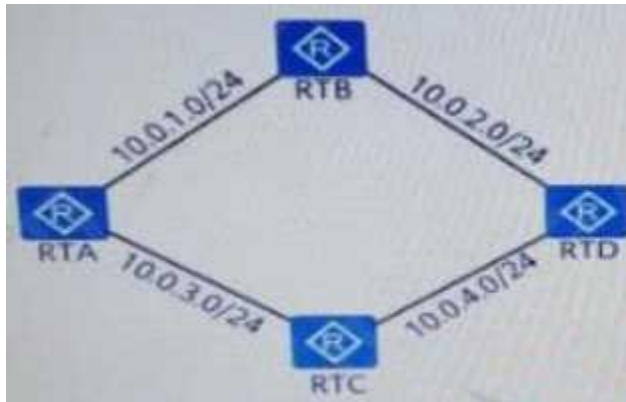
```
<Huawei>system-view
[Huawei]user-interface console 0
[Huawei-ui-console0]history-command max-size 20
```

- A. history-command max-size20 is to adjust the size of the history named cache to 20
- B. The default size of the history command cache is 5 bytes
- C. After the above configuration is completed, the history command buffer can store 20 bytes of commands
- D. The default size of the history command cache is 5

Answer: A

#### QUESTION 17

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? () (Single-choice question)

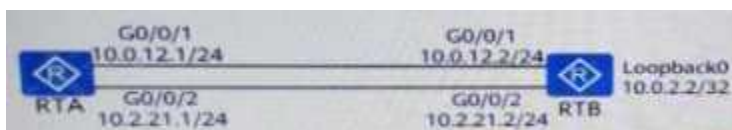


- A. 1
- B. 2
- C. 4
- D. 3

Answer: C

#### QUESTION 18

The network shown in the figure below. The administrator wants RTA to use a static router. Priority is given to sending data packets to RTB's Loopback0 interface through G0/0/1 port. At the same time, G0/0/2 is used as a backup. Then any configuration on RTA can be Realize this requirement? () (Single-choice question)

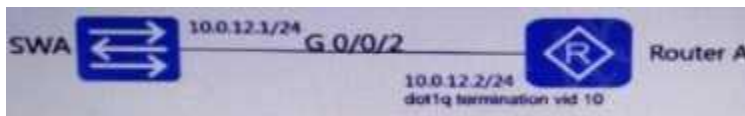


- A. ip route-static 10.0.2.2255.255.255.255 10.0.12.2  
ip route-static 10.0.2.2255.255.255.255 10.0.21.2 preference 40
- B. ip route-static 10.0.2.2255.255.255.255 10.0.12.2  
ip route-static 10.0.2.2255.255.255.255 10.0.21.2
- C. ip route-static 10.0.2.2255.255.255.255 10.0.12.2 preference 70 ip route-static 10.0.2.2255.255.255.255 10.0.21.2
- D. ip route-static 10.0.2.2255.255.255.255 10.0.12.2  
ip route-static 10.0.2.2255.255.255.255 10.0.21.2 preference 70

**Answer: D**

### QUESTION 19

In the network shown in the figure below, the switch uses VLANIF interfaces to connect with the router sub-interfaces. Which of the following configurations can achieve this requirement? ( )  
(Single-choice question)



- A. interface Vlanif10  
ip address 10.0.12.1 255.255.255.0  
#  
interface GigabitEthernet 0/0/2  
port link-type trunk  
port trunk pvid 10  
port trunk allow-pass vlan 10  
#
- B. interface Vlanif10  
ip address 10.0.12.1 255.255.255.0#  
interface GigabitEthernet 0/0/2  
port link-type trunk  
port trunk allow-pass vlan 10#
- C. interface Vlanif10  
ip address 10.0.12.1 255.255.255.0#  
interface GigabitEthernet 0/0/267  
port link-type hybrid  
port hybrid untag vlan 10  
#
- D. interface Vlanif10  
ip address 10.0.12.1 255.255.255.0#  
interface GigabitEthernet 0/0/2  
port link-type access  
port default vlan 10

**Answer: B**

### QUESTION 20

Network as shown in the picture. The administrator hopes that all hosts cannot access the Web service (the port number is 80). Other services can be accessed normally. In the interface configuration of G0/0/1, which ACL rule needs to be bound to traffic-filter outbound?



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

**Answer: D**

#### QUESTION 21

Use the ACL shown in the figure on the router RTA to match routing entries. Then which of the following entries will be matched?

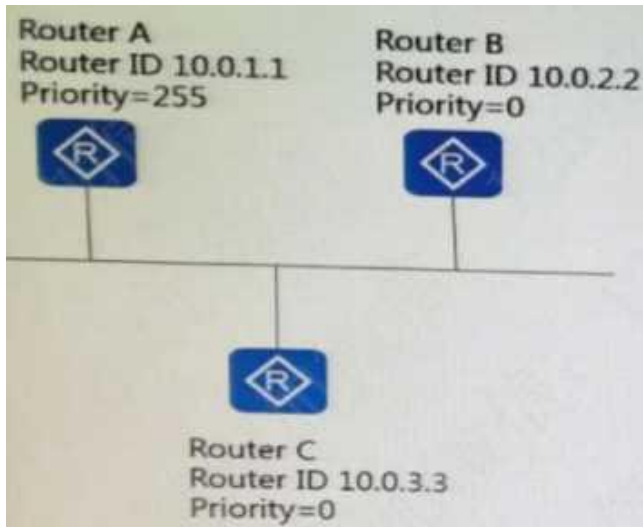
(RTA) acl 2002  
(RTA-acl-basic-2002) rule deny source 172.16.1.1 0.0.0.0  
(RTA-acl-basic-2002) rule deny source 172.16.0.0 0.255.0.0

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

**Answer: A**

#### QUESTION 22

The network shown in the figure below. Which router is the BDR in this network? () (Single-choice question)



- A. Router A
- B. Router B
- C. No BDR
- D. Router C

Answer: C

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