

JN0-643^{Q&As}

Enterprise Routing and Switching, Professional (JNCIP-ENT)

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QUESTION 1

Which version of BGP would an enterprise use to peer with an ISP?

- A. Confederation BGP
- B. External BGP
- C. Internal BGP
- D. Labeled-Unicast

Correct Answer: C

QUESTION 2

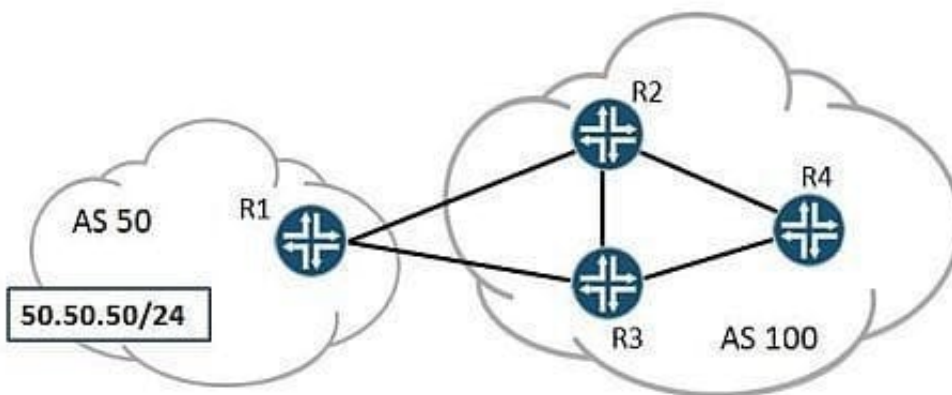
Which option is a valid IPv6 multicast address?

- A. fe80::205:8640:471:3200/64
- B. ::172.16.0.5/126
- C. ff03:365:ba::23
- D. ff01:cgfc:345::226:8ff:fee4:bf6f

Correct Answer: C

QUESTION 3

-- Exhibit



-- Exhibit -Click the Exhibit button.

R4 receives BGP prefixes for AS 50 from both R2 and R3. You want to ensure that R4 chooses R3 as the preferred

path to reach 50.50.50/24.

Referring to the information shown in the exhibit, where would you apply a policy containing the parameter local-preference 110 to accomplish this task?

- A. on R3, as import from R1
- B. on R3, as export towards R4
- C. on R2, as import from R1
- D. on R2, as export towards R4

Correct Answer: D

QUESTION 4

-- Exhibit -[edit protocols ospf]

```
user@R2# show
```

```
area 0.0.0.6 {
```

```
nssa {
```

```
default-lsa default-metric 10;
```

```
area-range 184.23.12.0/24;
```

```
}
```

```
interface ge-1/1/4;
```

```
}
```

```
[edit protocols ospf]
```

```
user@R2# show ospf database
```

```
OSPF database, Area 0.0.0.0
```

```
Type ID Adv Rtr Seq Age Opt Cksum Len
```

```
Router *192.168.0.2 192.168.0.2 0x80000004 749 0x22 0x87c2 60 Router 192.168.0.3 192.168.0.3 0x80000004 399  
0x22 0x94b5 60 Summary *10.0.0.0 192.168.0.2 0x80000003 19 0x22 0xe2e4 28 Summary *192.168.0.1 192.168.0.2
```

```
0x80000002 1100 0x22 0xbda7 28
```

```
OSPF database, Area 0.0.0.6
```

```
Type ID Adv Rtr Seq Age Opt Cksum Len
```

```
Router 192.168.0.1 192.168.0.1 0x80000004 404 0x20 0x76db 60 Router *192.168.0.2 192.168.0.2 0x80000003 1802  
0x20 0x319b 48 Summary *11.0.0.0 192.168.0.2 0x80000002 2504 0x20 0xf5d3 28 Summary *192.168.0.2  
192.168.0.2
```

```
0x80000003 2153 0x20 0xc5a0 28 Summary *192.168.0.3 192.168.0.2 0x80000002 398 0x20 0xc79d 28 NSSA
*0.0.0.0 192.168.0.2 0x80000001 11 0x20 0xcbf1 36 NSSA 184.23.12.0 192.168.0.1 0x80000002 447 0x28 0xb93f 36
OSPF AS
```

SCOPE link state database Type ID Adv Rtr Seq Age Opt Cksum Len

Extern *184.23.12.0 192.168.0.2 0x80000003 11 0x22 0x28d6 36 -- Exhibit -

Click the Exhibit button.

Referring to the exhibit, which two statements are correct? (Choose two.)

- A. R2 injects a Type 3 LSA for 184.23.12.0/24 into the backbone.
- B. R2 is an ABR.
- C. R2 injects a Type 5 LSA for 184.23.12.0/24 into the backbone.
- D. R2 is an ASBR.

Correct Answer: BC

QUESTION 5

-- Exhibit -

[edit]

```
user@R1# show routing-options router-id
```

```
router-id 1.1.1.1;
```

[edit]

```
user@R1# show protocols ospf
```

```
area 0.0.0.0 {
```

```
interface ge-0/0/7.0;
```

```
}
```

[edit]

```
user@R2# show routing-options router-id
```

```
router-id 2.2.2.2;
```

[edit]

```
user@R2# show protocols ospf
```

```
area 0.0.0.0 {
```

```
interface ge-0/0/8.0 {
```

```
priority 200;
```

```
}
```

```
}
```

```
[edit]
```

```
user@R3# show routing-options router-id
```

```
router-id 222.255.255.255;
```

```
[edit]
```

```
user@R3# show protocols ospf
```

```
area 0.0.0.0 {
```

```
interface ge-0/0/8.0;
```

```
}
```

```
[edit]
```

```
user@R4# show routing-options router-id
```

```
router-id 239.255.255.255;
```

```
[edit]
```

```
user@R4# show protocols ospf
```

```
area 0.0.0.0 {
```

```
interface ge-0/0/6.0 {
```

```
priority 0;
```

```
}
```

```
}
```

```
-- Exhibit -
```

Click the Exhibit button.

All four routers in the exhibit are in the same broadcast domain. The routers were powered on at the same time.

Based on the configurations, which devices are the DR and the BDR

- A. R4 is the DR and R2 is the BDR.
- B. R2 is the DR and R3 is the BDR.
- C. R2 is the DR and R1 is the BDR.
- D. R3 is the DR and R2 is the BDR.

Correct Answer: B

QUESTION 6

You are configuring CoS classifiers and want to use both BA and MF classification. After applying the configuration, you realize that the classifiers have a conflict.

Which statement is true?

- A. BA classification overrides MF classification.
- B. MF classification overrides BA classification.
- C. Neither classification method is applied.
- D. Both classifications are applied randomly.

Correct Answer: B

QUESTION 7

Which statement is true about MVRP?

- A. It allows you to split a broadcast domain into multiple isolated broadcast subdomains.
- B. It dynamically manages VLAN registration in a LAN.
- C. It maps multiple independent spanning-tree instances onto one physical topology.
- D. It is a Layer 2 protocol that facilitates network and neighbor discovery.

Correct Answer: A

QUESTION 8

-- Exhibit -

```
{master:0}[edit]
```

```
user@switch# show ethernet-switching-options voip
```

```
interface ge-0/0/16.0 {
```

```
  vlan phones;
```

```
}
```

```
{master:0}[edit]
```

```
user@switch# show interfaces ge-0/0/16
```

```
unit 0 {
family ethernet-switching {
port-mode access;
vlan {
members internet;
}
}
}
{master:0}[edit]
user@switch# show vlans

hr {
vlan-id 513;
}
internet {
vlan-id 15;
}
phones {
vlan-id 25;
}
servers {
vlan-id 30;
}
{master:0}[edit]
user@switch# show interfaces ge-0/0/23

description uplink;
unit 0 {
family ethernet-switching {
port-mode trunk;
vlan {
```

```
members [ hr internet ];
```

```
}
```

```
}
```

```
}
```

-- Exhibit -Click the Exhibit button.

You have recently implemented a Layer 2 network designed to support VoIP. Users have reported that they cannot use their IP phones to make calls.

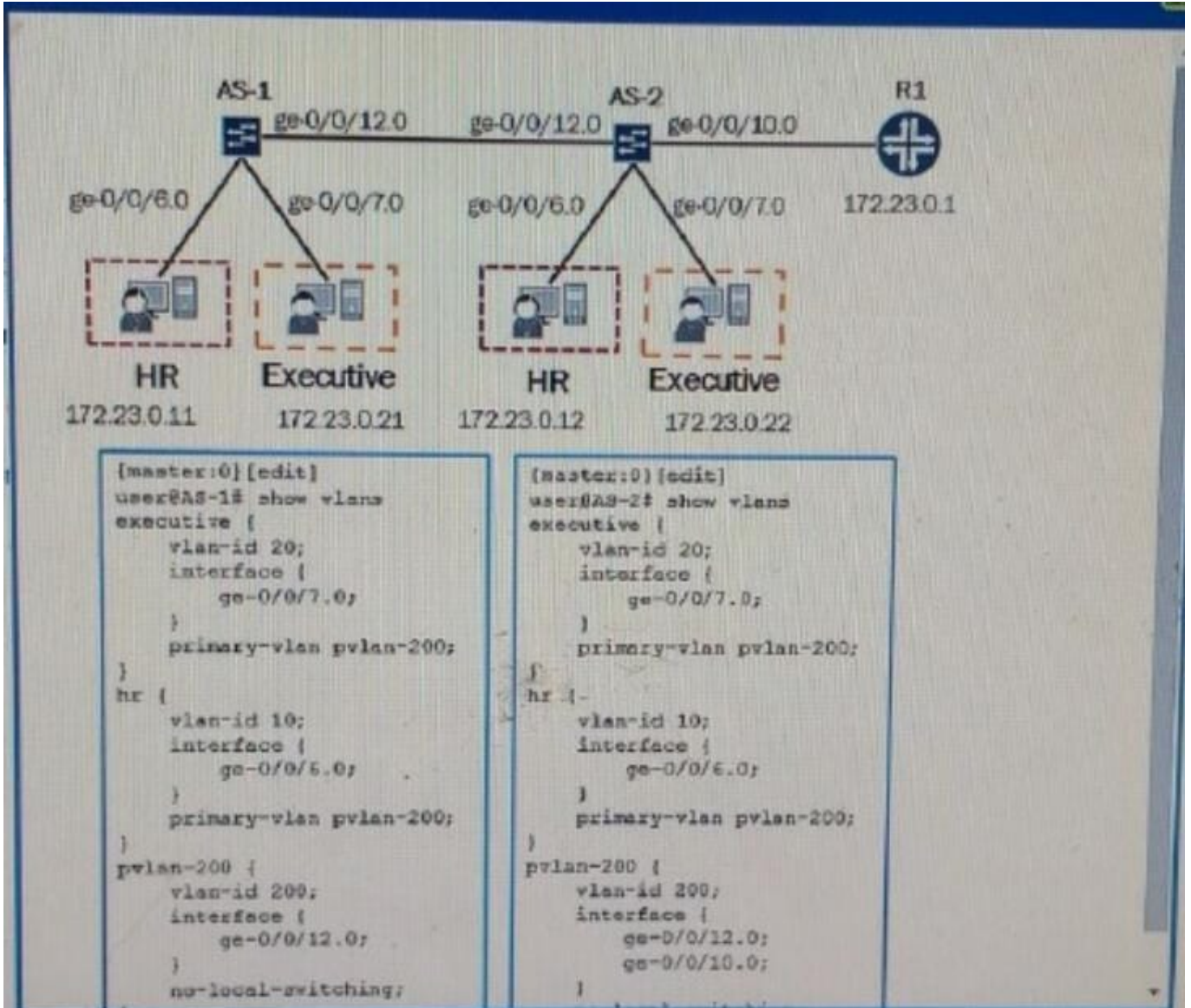
Based on the switch configuration shown in the exhibit, which command will resolve this issue?

- A. set interfaces ge-0/0/23 unit 0 family ethernet-switching vlan members phones
- B. set interfaces ge-0/0/16 unit 0 family ethernet-switching port-mode trunk
- C. set ethernet-switching-options voip interface ge-0/0/23 vlan phones
- D. set vlans phones vlan-id 513

Correct Answer: A

QUESTION 9

You have certainly implemented the configuration shown in the exhibit. After committing these changes, the community devices connected to AS-1 are not able to communicate with the appropriate community devices connected to AS-2. What must be done to allow these community devices to communicate?

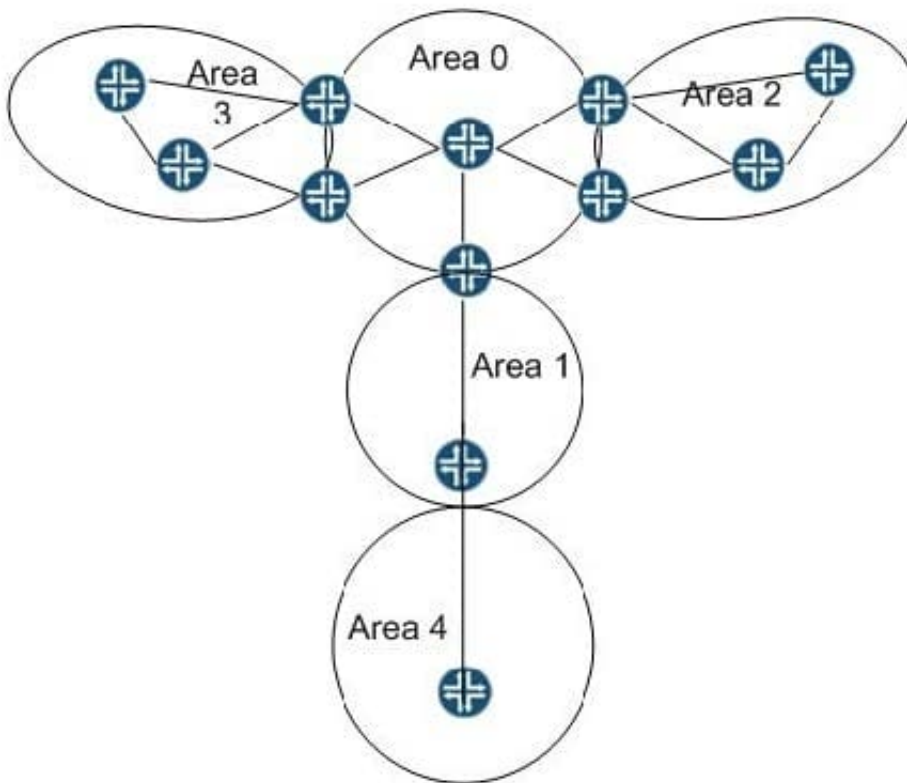


- A. You must configure an isolation VLAN ID Under the pvlan-200 on the AS2 switches
- B. You must configure the ge-0/0/10 interface on AS1 AS THE VPLAN on both switches
- C. You must configure an isolation VLAN ID under the VLAN 200 ON both switches
- D. You must configure the ge-0/0/12 interface on both switches as P VLAN trunks

Correct Answer: D

QUESTION 10

-- Exhibit



-- Exhibit -Click the Exhibit button.

You are asked to configure an OSPF virtual link that connects remote Area 4 to the backbone.

Referring to the exhibit, what are two requirements for an OSPF virtual link to operate correctly? (Choose two.)

- A. A virtual link configuration on the ABR between Areas 0 and 1 must include transit area 1.
- B. The interface of the transit area must be of type vt.
- C. A virtual link configuration on the ABR between Areas 0 and 1 must be the interface address of the neighbor on the far end.
- D. A virtual link configuration on the ABR between Areas 0 and 1 must be the router ID (RID) of the neighbor on the far end.

Correct Answer: AD

QUESTION 11

A company is deploying a new 802.1X port-based security infrastructure to allow users to access resources through wired Ethernet ports. However they recently deployed an RSA token-based system for users to connect remotely. The network administrator wants to reuse the same security database for 802.1X port-based security.

Which 802.1X authentication protocol is required?

- A. EAP-TLS

- B. LAN-PEAP
- C. RSA-EAP
- D. EAP-TTLS

Correct Answer: D

QUESTION 12

-- Exhibit -

```
{master:0}[edit]
```

```
user@switch# show protocols vstp
```

```
vlan 100;
```

```
{master:0}[edit]
```

```
user@switch# run show spanning-tree bridge
```

```
STP bridge parameters
```

```
Context ID : 1
```

```
Enabled protocol : RSTP
```

```
STP bridge parameters for VLAN 100
```

```
Root ID : 32868.50:c5:8d:ae:94:80 Hello time : 2 seconds Maximum age : 20 seconds Forward delay : 15 seconds  
Message age : 0 Number of topology changes : 0 Local parameters Bridge ID : 32868.50:c5:8d:ae:94:80 Extended  
system ID : 1 Internal instance ID : 0 {master:0}[edit] user@switch# run show spanning-tree interface
```

```
{master:0}[edit] user@switch# -- Exhibit -
```

Click the Exhibit button.

Based on the output shown in the exhibit, why is VSTP not working for VLAN 100?

- A. No interfaces are assigned to VLAN 100.
- B. Your MSTI is misconfigured.
- C. RSTP is configured in addition to VSTP.
- D. No native VLAN is configured.

Correct Answer: A

QUESTION 13

You are a service provider and have multiple customers in a building. You are installing a new switch that can host all of

your customers. However, you would like to ensure that one customer cannot see or broadcast to another customer. You

would also like to have them use a common gateway IP address from the building.

What of following should be used to provide this access?

- A. Layer 2 tunneling
- B. VLAN
- C. filter-based VLAN
- D. private VLAN

Correct Answer: D

QUESTION 14

You are asked to implement VSTP on all devices in your Layer 2 network.

Which three statements are correct? (Choose three.)

- A. VSTP supports up to 256 different spanning-tree topologies.
- B. A BPDU is sent for each spanning-tree instance.
- C. Each VLAN will be assigned to a unique spanning-tree instance.
- D. MSTP can be used in addition to VSTP to account for VLANs outside of the supported range.
- E. VSTP can be used to load-balance Layer 2 traffic using VLANs.

Correct Answer: BCE

QUESTION 15

The network administrator wants the ports on an EX series switch to allow both tagged and untagged frames to be followed. Tagged FRAMES should be associated with their tagged VLAN. While untagged frames should be associated with a preconfigured VLAN. In this scenario, which statement is true?

- A. The INTERFACE PORT MODE should be configured as mixed mode two allow both trunk and access port modes, untagged frames will belong to the default VLAN configured on that port.
- B. An Interface can be configured as an access port or a TRUNK Port ,but it cannot accept both tagged and untagged frames.
- C. The interface port mode should be configured as an access port with a VLAN id frames that enter the port wid a VLAN tag already assigned will override the access port VLAN id.
- D. The interface port mode should be configured as a trunk port, untagged frames will belong to the native vlan id

configured on that post.

Correct Answer: D

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