JN0-694 Q&As

Enterprise Routing and Switching Support, Professional (JNCSP-ENT)

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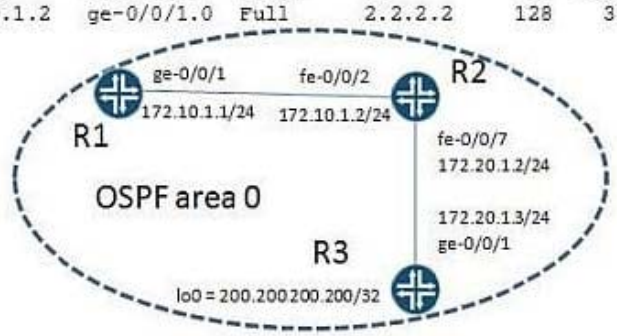
QUESTION 1

-- Exhibit

```
user@R1> show route
inet.0: 5 destinations, 5 routes (5 active, 0
holddown, 0 hidden)
+ = Active Route, - = Last Active, * = Both

1.1.1.1/32          *[Direct/0] 00:01:10
                     > via lo0.0
2.2.2.2/32          *[OSPF/10] 00:00:13, metric 1
                     > to 172.10.1.2 via ge-0/0/1.0
172.10.1.0/24       *[Direct/0] 00:01:10
                     > via ge-0/0/1.0
172.10.1.1/32       *[Local/0] 00:01:10
                       Local via ge-0/0/1.0
224.0.0.5/32        *[OSPF/10] 00:01:10, metric 1
                       MultiRecv
```

```
user@R1> show ospf interface ge-0/0/1.0 detail
Interface  State Area        DR ID           BDR ID     Nbrs
ge-0/0/1.0  DR  0.0.0.0  200.200.200.200 2.2.2.2     1
  Type: LAN, Address: 172.10.1.1, Mask: 255.255.255.0,
  MTU: 1500, Cost: 1
  DR addr: 172.10.1.1, BDR addr: 172.10.1.2, Priority:
128
  …
user@R1> show ospf neighbor detail
Address      Interface   State     ID          Pri  Dead
172.10.1.2   ge-0/0/1.0  Full      2.2.2.2     128    31
  …
```




```
user@R1> show ospf database
Jun 12 03:33:34
    OSPF database, Area 0.0.0.0
 Type       ID               Adv Rtr          Seq      Age  Opt  Cksum  Len
Router   2.2.2.2          2.2.2.2          0x80000005    30  0x22 0xeb10  60
Router  *200.200.200.200  200.200.200.200  0x80000009     7  0x22 0x1d42  48
Network *172.10.1.1       200.200.200.200  0x80000005     2  0x22 0xcc62  32
Network *172.20.1.3       200.200.200.200  0x80000004  3600  0x22 0x42e1  32

user@R1> show ospf database
Jun 12 03:33:46
    OSPF database, Area 0.0.0.0
 Type       ID               Adv Rtr          Seq      Age  Opt  Cksum  Len
Router   2.2.2.2          2.2.2.2          0x80000005    42  0x22 0xeb10  60
Router  *200.200.200.200  200.200.200.200  0x8000000d     3  0x22 0x1546  48
Network *172.10.1.1       200.200.200.200  0x80000006     6  0x22 0xca63  32
Network *172.20.1.3       200.200.200.200  0x80000005  3600  0x22 0x40e2  32
```

-- Exhibit -Click the Exhibit button.

Referring to the exhibit, you are configuring an OSPF network. All OSPF adjacencies come up and stay stable. But neither R1 nor R2 has the prefix 200.200.200.200/32 in its routing table.

What is causing this problem?

A. R2 does not have the export policy for prefix 200.200.200.200/32.

B. R1 does not have routes to network 172.10.1.0/24.

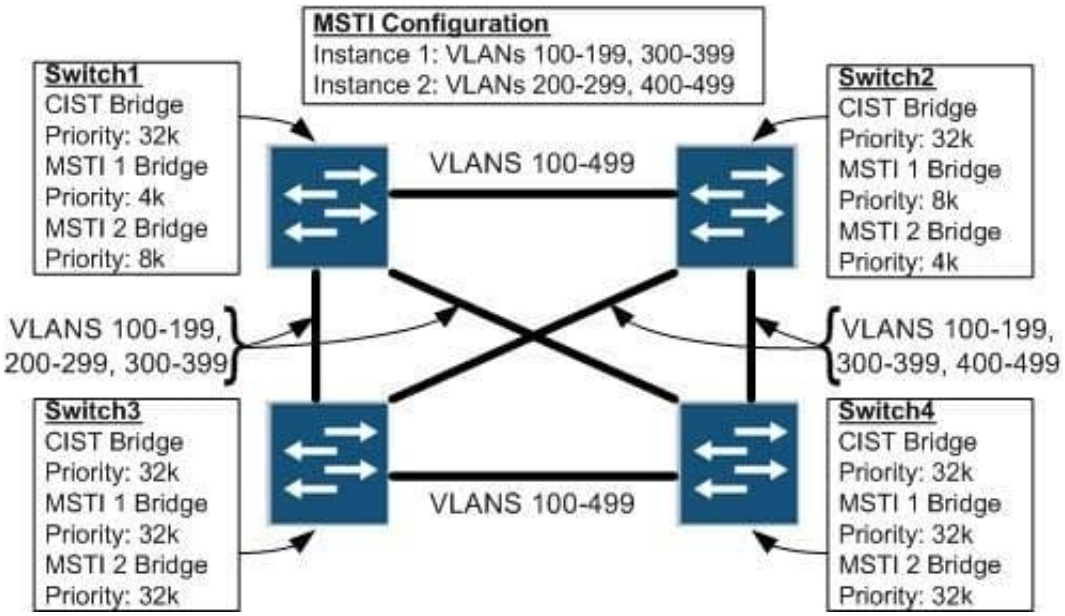
C. R2 is BDR on both network 172.10.1.0/24 and 172.20.1.0/24.

D. The router ID of R1 is the same as the router ID of R3.

Correct Answer: D

QUESTION 2

-- Exhibit



-- Exhibit -Click the Exhibit button.

The exhibit shows a small switched network, some details about the MSTP configuration in the network,

and the VLANs that are trunked over each link. When Switch2 reboots, users in VLAN 400 on Switch3

report that they lose connectivity to resources in VLAN 400 on Switch4.

What is the cause of this problem?

A. There are mismatched bridge priorities.

B. There is a mismatched MSTP configuration name.

C. VLAN 400 is not trunked between Switch1 and Switch3.

D. VLAN 400 is trunked between Switch3 and Switch4.

Correct Answer: C

QUESTION 3

-- Exhibit -user@router# run show log ospf-test ... Jun 10 22:35:38.598494 OSPF sent Hello 10.100.0.1 -> 224.0.0.5 (ge-1/0/3.1000 IFL 77 area 0.0.0.0) Jun 10 22:35:38.598520 Version 2, length 44, ID 10.100.1.2, area 0.0.0.0 Jun 10 22:35:38.598543 mask 255.255.255.252, hello_ivl 10, opts 0x2, prio 128 Jun 10 22:35:38.598564 dead_ivl 32, DR 10.100.0.1, BDR 0.0.0.0 Jun 10 22:35:41.522956 OSPF periodic xmit from 10.200.26.1 to 224.0.0.5 (IFL 2684276196 area 0.0.0.1) Jun 10 22:35:42.798220 OSPF rcvd Hello 10.100.0.2 -> 224.0.0.5 (ge-1/0/3.1000 IFL 77 area 0.0.0.0) Jun 10 22:35:42.798311 Version 2, length 48, ID 10.100.1.1, area 0.0.0.0 Jun 10 22:35:42.798334 checksum 0x0, authtype 0 Jun 10 22:35:42.798356 mask 255.255.255.252, hello_ivl 10, opts 0x2, prio 128 Jun 10 22:35:42.798377 dead_ivl 40, DR 10.100.0.2, BDR 10.100.0.1 Jun 10 22:35:45.189034 OSPF rcvd Hello 10.100.0.2 ->

224.0.0.5 (ge-1/0/3.1000 IFL 77 area 0.0.0.0) Jun 10 22:35:45.189097 Version 2, length 44, ID 10.100.1.1, area 0.0.0.0 Jun 10 22:35:45.189118 checksum 0x0, authtype 0 Jun 10 22:35:45.189140 mask 255.255.255.252, hello_ivl 10, opts 0x2, prio 128 Jun 10 22:35:45.189162 dead_ivl 40, DR 10.100.0.2, BDR 0.0.0.0 Jun 10 22:35:45.196969 OSPF DR is 10.100.1.2, BDR is 0.0.0.0 Jun 10 22:35:45.197050 OSPF sent Hello 10.200.26.1 -> 224.0.0.5 (ge-1/0/0.0 IFL 69 area 0.0.0.1) Jun 10 22:35:45.197076 Version 2, length 44, ID 10.100.1.2, area 0.0.0.1 Jun 10 22:35:45.197098 mask 255.255.255.252, hello_ivl 10, opts 0x2, prio 128 Jun 10 22:35:45.197119 dead_ivl 40, DR 10.200.26.1, BDR 0.0.0.0 Jun 10 22:35:46.746900 OSPF periodic xmit from 10.100.0.1 to 224.0.0.5 (IFL 2684276196 area 0.0.0.0) -- Exhibit -

Click the Exhibit button.

Referring to the exhibit, what is preventing the OSPF neighborship with two directly connected routers using interface ge-1/0/3 from reaching the full state?

A. dead interval mismatch

B. authentication type mismatch

C. subnet mismatch

D. hello interval mismatch

Correct Answer: A

QUESTION 4

You are asked to troubleshoot a problem with MSTP and determine why Switch-1 and Switch-2 think they are the root bridge for the same MSTI instances. Switch-1 should be the root bridge for the MSTI 1 instance and Switch-2 should be the root bridge for the MSTI 2 instance. Referring to the exhibit, what is causing this problem?

```
user@Switch-1> show spanning-tree bridge
STP bridge parameters
Context ID           : 0
Enabled protocol     : MSTP

STP bridge parameters for MSTI 1
  MSTI regional root : 32769.00:19:e2:55:3c:01
  Hello time         : 2 seconds
  Maximum age        : 20 seconds
  Forward delay      : 15 seconds
Local parameters
  Bridge ID          : 32769.00:19:e2:55:3c:01
  Extended system ID       : 0
  Internal instance ID     : 1

STP bridge parameters for MSTI 2
  MSTI regional root : 32770.00:19:e2:55:3c:01
  Hello time         : 2 seconds
  Maximum age        : 20 seconds
  Forward delay      : 15 seconds
Local parameters
  Bridge ID          : 32770.00:19:e2:55:3c:01
  Extended system ID       : 0
  Internal instance ID     : 2

user@Switch-1> show spanning-tree mstp configuration
MSTP information
Context identifier   : 0
Region name          : Corporate
Revision             : 1
Configuration digest :
0x8edc0c5699e5c50ec011c3858a3802cf

MSTI   Member VLANs
0      0-10,13-20,23-4094
1      11,21
2      12,22
```

```
user@Switch-2> show spanning-tree bridge
STP bridge parameters
Context ID           : 0
Enabled protocol     : MSTP

STP bridge parameters for MSTI 1
  MSTI regional root : 32769.00:19:e2:55:31:81
  Hello time         : 2 seconds
  Maximum age        : 20 seconds
  Forward delay      : 15 seconds
Local parameters
  Bridge ID          : 32769.00:19:e2:55:31:81
  Extended system ID       : 0
  Internal instance ID     : 1

STP bridge parameters for MSTI 2
  MSTI regional root : 32770.00:19:e2:55:31:81
  Hello time         : 2 seconds
  Maximum age        : 20 seconds
  Forward delay      : 15 seconds
Local parameters
  Bridge ID          : 32770.00:19:e2:55:31:81
  Extended system ID       : 0
  Internal instance ID     : 2

user@Switch-2> show spanning-tree mstp configuration
MSTP information
Context identifier   : 0
Region name          : Corporate
Revision             : 1
Configuration digest :
0xbe0284d20f4d46a8da89c5d9b3b4f78a

MSTI   Member VLANs
0      0-10,13-4094
1      11
2      12
```

A. The configuration digest is misconfigured.

B. Both switches have the same bridge priority.

C. The member VLAN assignments are not identical.

D. The revision levels are identical.

Correct Answer: C

QUESTION 5

Your Layer 2 network uses VLAN IDs 100 through 400 and you are required to load-balance these VLANs between two different root bridges. You are currently using the default RSTP settings and notice that all VLANs are using the same root bridge.

How do you ensure the VLANs are load-balanced between two root bridges?

A. Configure MSTP with two MSTI regions and split the VLAN range between them.

B. Configure VSTP with two VLAN groups and split the VLAN range between them.

C. Configure two RSTP instances and split the VLAN range between them.

D. Configure STP and RSTP and split the VLAN range between them.

Correct Answer: A