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QUESTION 41You 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. Answer: BCE

QUESTION 42Referring to the exhibit, which two statements are correct about the MSTP configuration? (Choose two.)

```
user@switch> show spanning-tree bridgeSTP bridge parameters
Context ID : 0
Enabled protocol : MSTP
STP bridge parameters for CIST
Root ID : 32768.00:19:e2:55:1a:01
Root cost : 0
Root port : ge-0/0/10.0
CIST regional root : 32768.00:19:e2:55:1a:01
CIST internal root cost : 20000
Hello time : 2 seconds
Maximum age : 20 seconds
Forward delay : 15 seconds
Hop count : 19
Message age : 0
Number of topology changes : 2
Time since last topology change : seconds
Topology change initiator : ge-0/0/10.0
Topology change last recvd. from : 00:19:e2:55:24:8c
Local parameters
Bridge ID : 32768.b0:c6:9a:73:27:90
Extended system ID : 0
Internal instance ID : 0
STP bridge parameters for MSTI 1
MSTI regional root : 4097.b0:c6:9a:73:27:90
Hello time : 2 seconds
Maximum age : 20 seconds
Forward delay : 15 seconds
Number of topology changes : 2
Time since last topology change : seconds
Topology change initiator : ge-0/0/1.0
Topology change last recvd. from : b0:c6:9a:73:39:81
Local parameters
Bridge ID : 4097.b0:c6:9a:73:27:90
Extended system ID : 0
Internal instance ID : 1
STP bridge parameters for MSTI 2
MSTI regional root : 4098.b0:c6:9a:73:39:90
Root cost : 20000
Root port : ge-0/0/1.0
Hello time : 2 seconds
Maximum age : 20 seconds
Forward delay : 15 seconds
Hop count : 19
Number of topology changes : 2
Time since last topology change : seconds
Topology change initiator : ge-0/0/1.0
Topology change last recvd. from : b0:c6:9a:73:39:81
Local parameters
Bridge ID : 8194.b0:c6:9a:73:27:90
Extended system ID : 0
Internal instance ID : 2
```

A. The local switch is not the root bridge for MSTI 1.B. The local switch is the root bridge for MSTI 1.C. The local switch is the root bridge for MSTI 2.D. The local switch is not the root bridge for MSTI 2. Answer: BD

QUESTION 43A colleague recently implemented MSTP in your Layer 2 network and is having trouble determining why it is not working properly. You are asked to review the outputs provided in the exhibit to determine the cause.

```
user@switch-1> show spanning-tree bridgeSTP bridge parameters
Context ID : 0
Enabled protocol : MSTP
STP bridge parameters for CIST...
STP bridge parameters for MSTI 1
MSTI regional root : 4097.b0:c6:9a:73:27:90
Hello time : 2 seconds
Maximum age : 20 seconds
Forward delay : 15 seconds
Number of topology changes : 4
Time since last topology change : 42 seconds
Topology change initiator : ge-0/0/10.0
Topology change last recvd. from : 00:19:e2:55:24:8c
Local parameters
Bridge ID : 4097.b0:c6:9a:73:27:90
Extended system ID : 0
Internal instance ID : 1
STP bridge parameters for MSTI 2
MSTI regional root : 8194.b0:c6:9a:73:27:90
Hello time : 2 seconds
Maximum age : 20 seconds
Forward delay : 15 seconds
Number of topology changes : 4
Time since last topology change : 42 seconds
Topology change initiator : ge-0/0/10.0
Topology change last recvd. from : 00:19:e2:55:24:8c
Local parameters
Bridge ID : 8194.b0:c6:9a:73:27:90
Extended system ID : 0
Internal instance ID : 2
```

```
user@switch-1> show spanning-tree mstp configuration
MSTP information
Context identifier : 0
Region name : my-mstp-config
Revision : 1
Configuration digest : 0x91ee8012e6851d931adae71da4060690
MSTI Member VLANs
0 0,400-4094
1 1-1992
200-399
```

```
user@switch-2> show spanning-tree bridgeSTP bridge parameters
Context ID : 0
Enabled protocol : MSTP
STP bridge parameters for CIST...
STP bridge parameters for MSTI 1
MSTI regional root : 8193.b0:c6:9a:73:39:90
Hello time : 2 seconds
Maximum age : 20 seconds
Forward delay : 15 seconds
Number of topology changes : 3
Time since last topology change : 320 seconds
Topology change initiator : ge-0/0/9.0
Topology change last recvd. from : b0:c6:9a:73:27:81
Local parameters
Bridge ID : 8193.b0:c6:9a:73:39:90
Extended system ID : 0
Internal instance ID : 1
STP bridge parameters for MSTI 2
MSTI regional root : 4098.b0:c6:9a:73:39:90
Hello time : 2 seconds
Maximum age : 20 seconds
Forward delay : 15 seconds
Number of topology changes : 3
Time since last topology change : 320 seconds
Topology change initiator : ge-0/0/9.0
Topology change last recvd. from : 00:19:e2:55:24:8d
Local parameters
Bridge ID : 4098.b0:c6:9a:73:39:90
Extended system ID : 0
Internal instance ID : 2
```

```
user@switch-2> show spanning-tree mstp configuration
MSTP information
Context identifier : 0
Region name : my-mstp-config
Revision : 10
Configuration digest : 0x91ee8012e6851d931adae71da4060690
MSTI Member VLANs
0 0,400-4094
1 1-1992
200-399
```

Referring to the exhibit, what is causing the issue? A. The region name is configured the same on both devices.B. The VLAN mapping is configured incorrectly. C. The MSTP revision is configured incorrectly.D. The bridge priority has not been configured correctly. Answer: C

QUESTION 44A network engineer has configured MSTP on several switches for loop protection. You must verify the work and

ensure that the appropriate parameters match on all switches. MSTP information Context identifier : 0 Region name : Juniper Revision : 1 Configuration digest : 0xfdb318c0ae799ae6dfdae4c882c67ee MSTI Member VLANs 0,4-40941 1-3 Which operational command provides the required output shown in the exhibit? A. show spanning-tree interface B. show spanning-tree mstp configuration C. show spanning-tree bridge D. show ethernet-switching interfaces Answer: B

QUESTION 45 Referring to the exhibit, a customer observes that the MSTP instance between SwitchA and SwitchB is not converging correctly. user@SwitchA# show protocols mstp configuration-name region1; bridge-priority 16k; msti 1 { bridge-priority 16k; vlan [10 20]; } msti 2 { bridge-priority 8k; vlan [30 40]; } user@SwitchB# show protocols mstp configuration-name region1; bridge-priority 8k; msti 1 { bridge-priority 16k; vlan [10 20]; } msti 2 { bridge-priority 8k; vlan [30 40 50]; } What is causing the problem? A. The bridge priority values of MSTI 2 are the same. B. There is a VLAN mismatch between the two switches for MSTI 2. C. There is a bridge priority mismatch. D. MSTI 1 and MSTI 2 are part of the same the MSTP region. Answer: B

QUESTION 46 Your company makes extensive use of VSTP in your network for loop protection. The network is at the VSTP VLAN limit and must protect additional VLANs. Which command allows you to protect additional VLANs? A. set protocols mstp interface all B. set protocols vstp vlan all C. set protocols vstp vlan-group D. set protocols rstp Answer: D

QUESTION 47 You are asked to set up 802.1X port authentication for all access ports on your EX Series switch. You must ensure that only one user is allowed to authenticate per port and all other attempts are denied. Which supplicant mode must be used? A. single mode B. single-secure mode C. default mode D. multiple mode Answer: B

QUESTION 48 You are asked to set up 802.1X port authentication for all access ports on your EX Series switch. You have a device that does not support 802.1X supplicants and you must ensure this device is authenticated. You must also ensure that no unnecessary delay occurs when authenticating this device. Which statement is correct? A. You should enable MAC RADIUS on the interface and use 802.1X multiple mode. B. You should enable MAC RADIUS on the interface and statically add the MAC address to the 802.1x configuration. C. You should enable MAC RADIUS on the interface and include the restrict parameter. D. You should enable MAC RADIUS on the interface and include the disable parameter. Answer: C

QUESTION 49 Your company uses 802.1X to authenticate your users. You want to provide access to the Internet when users cannot authenticate on the RADIUS server or when the RADIUS server becomes unreachable. Which two methods accomplish this goal? (Choose two.) A. using a captive portal B. using a server fail fallback C. using MAC RADIUS D. using a guest VLAN Answer: BD

QUESTION 50 Your company recently implemented Layer 2 authentication and access control to secure users accessing the corporate network. You implemented 802.1X, MAC RADIUS, and a captive portal to support a variety of hosts on the network. Senior management is concerned that valid users might be authenticated incorrectly on the network and they ask you questions about how these different access technologies are used simultaneously. Which three statements are correct? (Choose three.) A. MAC addresses that are part of a MAC address whitelist or a static MAC list are authenticated before any other authentication protocol is invoked. B. Captive portal is a supported fallback option for 802.1X. C. If the authentication server fails to respond to access requests and both a server-fail and guest VLAN are configured correctly, the server-fail VLAN takes precedence over the guest VLAN. D. Captive portal can only be configured on Layer 3 interfaces. E. If a port is configured with 802.1X and the host does not respond to EAP requests, no other authentication protocol can authenticate the host. Answer: ABC

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