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Topic 1, Volume A

QUESTION NO: 1

On the MSTP network as shown in the figure, what is the role of the switch in MSTI 1 according to the configuration?

- A. Root switch
- B. Slave switch
- C. Non-root switch
- D. None of the above

Answer: A

Explanation:

QUESTION NO: 2

As shown in the figure, which switch is the root switch according to the configuration?

- A. SWA
- B. SWB
- C. SWC
- D. None of the above

Answer: A

Explanation:

QUESTION NO: 3

If an MSTP switch detects that the neighboring switch works in RSTP mode, which mode does the MSTP switch work?

- A. STP mode
- B. RSTP mode
- C. MSTP mode
- D. All of the above

Answer: B

Explanation:

QUESTION NO: 4

Which problems on a single spanning tree network can be solved by MSTP? (Select 3 Answers)

- A. Traffic forwarding paths in some VLANs are faulty.
- B. Traffic cannot be load balanced.
- C. The second best path problem may occur.
- D. The network reliability cannot be improved.

Answer: A,B,C

Explanation:

QUESTION NO: 5

According to the figure, what is the status of Ethernet1/0/13 in MSTI 1?

- A. Forwarding
- B. Discarding
- C. Learning
- D. None of the above

Answer: B

Explanation:

QUESTION NO: 6

In RSTP, which statements about the alternate port and backup port are true? (Select 2 Answers)

- A. The alternate port is a backup of the root port.
- B. The backup port is a backup of the designated port.
- C. The switch that the backup port belongs to is not the designated switch on the network segment connected to the interface.
- D. The switch that the alternate port belongs to is the designated switch on the network segment connected to the interface.

Answer: A,B

Explanation:

QUESTION NO: 7

According to the MSTP protocol, each MST instance calculates an independent spanning tree by using the RSTP algorithm.

- A. True
- B. False

Answer: A

Explanation:

QUESTION NO: 8

The following is the command output on a root switch of an MSTP region. How many switches are located in the MSTP region? ()

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

Answer: C

Explanation:

QUESTION NO: 9

On the RSTP network with STP devices, which packets does an RSTP switch use to notify the STP switches of the topology change?

- A. RSTP BPDUs with the TC flag
- B. STP BPDUs with the TCN flag
- C. RSTP BPDUs with the TCA flag
- D. STP BPDUs with the TCA flag

Answer: B

Explanation: