

# QUESTIONS & ANSWERS

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**Huawei**

# H12-261

*HCIE-R&S (Written) (Expert -Routing & Switching)*

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Question: 256

In RSTP (Rapid Spanning Tree Protocol) what is a port that provides an alternate path to the leaves of the Spanning Tree and what state is this port in when it is not in the active topology?

- A. Root port and listening**
- B. Alternate port and forwarding**
- C. Alternate port and learning**
- D. Designated port and learning**
- E. Backup port and discarding**
- F. None of the other**

Answer: E

Question: 257

On a switch running the rapid spanning tree protocol, which port will send a BPDU with the proposal flag?

- A. Designated port in forwarding state**
- B. Designated port in non-forwarding state or the Root port in forwarding state**
- C. Root port in blocking state**
- D. Alternate port**
- E. None of the other**

Answer: B

Question: 258

Which of the following statements regarding Transparent Bridge tables are FALSE? (Select 2 s)

- A. Decreasing the bridge table aging time would reduce flooding**
- B. Increasing the bridge table aging time would reduce flooding**
- C. Bridge table entries are learned by way of examining the source MAC address of each frame**
- D. Bridge table entries are learned by examining destination MAC addresses of each frame.**
- E. The bridge aging time should always be more than the aggregate time for detection and recalculation of the spanning tree.**

Answer: AD

Question: 259

802.1s defines deployment for which of the following?

- A. One STP instance per set of Bridges**

- B. One global instance for all VLANs**
- C. One STP instance for each VLAN**
- D. One STP instance per set of VLANs**

Answer: D

### Question: 260

If on a LAN switch Gigabit Ethernet or 10-Gigabit Ethernet port receive buffer becomes full what protocol can be used to request remote port to delay sending frames for a specified time?

- A. 802.1U**
- B. 802.3Z**
- C. 802.1D**
- D. 802.3**
- E. 802.3AF**

Answer: B

### Question: 261

Which of the following is used in Ethernet networks? (Select 3 s)

- A. Non Canonical format MAC addresses.**
- B. CSMA/CD for media access.**
- C. Canonical format MAC addresses.**
- D. 802.5 encapsulated frames.**
- E. 802.3 encapsulated frames**

Answer: BCE

### Question: 262

Which of the following IEEE standards are used for Gigabit Ethernet? (Select 2 s)

- A. 802.3z**
- B. 802.3ab**
- C. 802.3ad**
- D. 802.3af**
- E. All of the other**

Answer: AB

### Question: 263

Why does RSTP have a better convergence time than 802.1D?

- A. it is newer**
- B. it has smaller timers**
- C. it has less overhead**
- D. it is not timer-based**

Answer: D

Question: 264

Under which two circumstances would an RSTP bridge flush its Mac address table? (Select 2 s)

- A. Upon a port state change
- B. Upon receiving a topology change notification
- C. When transitioning from discarding to forwarding
- D. When transitioning from forwarding to discarding
- E. Only when changing from listening to discarding
- F. When CAM resources have been completely used up

Answer: BC

Question: 265

Spanning Tree Protocol calculates path cost based on which of these?

- A. Interface bandwidth
- B. Interface delay
- C. Interface bandwidth and delay
- D. Hop count
- E. Bridge priority

Answer: A

Question: 266

When connecting a switch to another switch using Ethernet ports, what pinout should be used?

- A. min\_height 25  
min\_width 173
- B. min\_height 25  
min\_width 171
- C. min\_height 25  
min\_width 170
- D. min\_height 25  
min\_width 171
- E. min\_height 25  
min\_width 178

Answer: E

Question: 267

What spanning-tree protocol timer determines how often the root bridge send configuration BDPUs?

- A. Forward Delay Timer
- B. Hold Timer
- C. STP Timer
- D. Max Age Timer
- E. Hello Timer

Answer: E

### Question: 268

While troubleshooting a LAN issue on the HW network, you notice a number of unicast frames. Having multiple unknown unicast frames in a switch would most likely deplete which of the following resources?

- A. Power Consumption**
- B. MAC Addresses available in the system**
- C. Memory available for frame buffering**
- D. Available bandwidth**
- E. None of the other**
- F. TCAM entries**

Answer: D

### Question: 269

A cable one end connecting to port G0/0/17 and the other to port G0/0/18 in a stp enabled. Which of the following statements is true?

- A. port G0/0/17 will be stuck in the learning states**
- B. Both ports will be forwardin**
- C. port G0/0/17 will be blocke**
- D. port G0/0/18 will be blocke**
- E. port G0/0/18 will continuously move between the listening and learning states.**
- F. Both ports will be blocke**

Answer: D

### Question: 270

The LAN network is running the 802.1D spanning tree protocol. Which of the following are parameters that a bridge will receive from the root bridge?

- A. Forward delay**
- B. Root Cost**
- C. Maxage**
- D. A,B, and C**
- E. None of the other**

Answer: D

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