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Exam : **HC-261-ENU**

Title : Huawei Certified Internetwork Expert-Enterprise - ENU (HCIE-Enterprise-ENU)

Version : DEMO

1.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

2.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

3.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

4.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

5.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

6.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

7.Under which two circumstances would an RSTP bridge flush its Mac address table? (Select 2 Answers)
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: B C

8.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

9.Which of the following IEEE standards are used for Gigabit Ethernet? (Select 2 Answers)
A.802.3z
B.802.3ab
C.802.3ad
D.802.3af
E.All of the other
Answer: A B

10.Which of the following is used in Ethernet networks? (Select 3 Answers)
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: B C E

11.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

12.802.1s 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 ofVLANs
Answer: D

13.Which of the following statements regarding Transparent Bridge tables are FALSE? (Select 2 Answers)
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: A D

14.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

15.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

16.On a HW bridge running the Rapid Spanning-tree protocol (RSTP), BPDU information on the port will be aged when?
A.After MaxAge time
B.15 seconds
C.RSTP does not age out BPDU information on ports
D.After BPDU Age reaches MaxAge or after 3 hello times
E.After 6 seconds
F.None of the other
Answer: D

17.Switch is running the rapid spanning tree protocol (RSTP).Upon a topology change, what happens to dynamic entries in the L2 forwarding table?
A.Only entries behind port where TC was received are removed
B.All entries are removed except for those behind edge ports and the port where TC was received
C.All entries are removed (purged)
D.All entries are removed except for entries behind edge ports
E.Aging timer it set to 15 seconds, so idle entries age out
F.None of the other
Answer: B

18.In a bridged LAN, the number if BPDU's with the TCA bit set is incrementing rapidly.
What could be the cause of this? (Select 2 Answers)
A.BPDU's with the TCA bit set is part of the normal operation of a bridged LAN.
B.Improper cabling is being used in the network.
C.There is no spanning tree edge port configured on the ports connecting 2 workstations.
D.The root switch is experiencing problems due to high CPU utilization and is not sending any BPDUs.
E.None of the other

Answer: B C

19.A workstation has been connected to a workgroup Ethernet switch using a Category 5e cable The workstation can connect to the rest of the network through the switch (i.e.has full connectivity), but is suffering from much slower than expected performanc Looking at the interface statistics on the switch, many "runts" are being detecte Using software to read the counters on the workstation NIC, many FCS and alignment errors are occurring.What is the most likely cause of these errors?
A.Bad Network Interface Card on the workstation
B.Bad cable between the workstation and the switch
C.Port has erroneously been configured as an 802.1q trunk port
D.Mismatched speed settings between the workstation and the switch
E.Mismatched duplex settings between the workstation and the switch
Answer: E

20.While troubleshooting a LAN network, you notice a large amount of alignment errors, FCS Errors, and late collisions.This may indicate
A.A half-duplex connection between the switch and an end-point on a 10/100/1000Base-T Ethernet link
B.These errors are normal under most circumstances
C.There is a duplex mismatch on a 1000Base-LX/LH
D.Duplex Mismatch on a 10/100/1000Base-T Ethernet link
E.None of the other
Answer: D