Exam : **1T6-220**

Title : Switched Ethernet Network
Analysis and
Troubleshooting

Version : Demo

1.CSMA/CD stands for:

A.Collision Sense, Multiple Access, Carrier Detection

B.Carrier Sense, Multiple Access, Collision Detection

C.Carrier Sense, Multiplexed Access, Collision Detection

D.Collision Sense, Multiple Access, Collision Detection

Answer:B

2._____needs to be configured on the switch port you are monitoring or all Detail tab fields will return NA.

A.SNMP

B.RMON

C.MIB

D.802.11b

Answer:B

3.Ethernet frames that do not end on an 8 bit boundary:

A.Are jabbers

B.Are runt frames

C.Have CRC errors

D.Have alignment errors

Answer:D

4.Collisions are always eliminated in _____environments.

A.Switched Ethernet

B.Full Duplex

C.Gigabit Ethernet

D.All of the above

Answer:B

5.The IEEE 802.3x specification describes the operation of:

A.Fast Ethernet

B.Switched Ethernet

C.Gigabit Ethernet

D.Full Duplex Ethernet

Answer:D

6.Because Gigabit Ethernet can generate up to 125 Mbytes of data per second at full capacity it is important to _____when starting to analyze a network problem.

A.Capture data for one minute and then analyze the Expert symptoms

B.Apply a capture filter for a specific station or conversation

C.Capture data directly to disk

D.Increase the Expert thresholds before capturing data

Answer:B

7.The Gigabit Ethernet Sniffer user interface uses the standard Sniffer interface with enhancements for Gigabit.

A.True

B.False

Answer:A

8.The _____always has an Ethertype of 8808.

A.PAUSE MAC frame

B.Buffer MAC frame

C.JAM-PAUSE frame

D.STOP MAC frame

Answer:A

9.Choose all that apply. Which of the following functions are performed in a Full-duplex Ethernet environment?

A.Carrier sense before transmitting

B.Maintain an inter-frame gap between frames

C.Perform CRC calculation on transmitted frame

D.Back off and retransmit when a collision occurs

Answer:B C

10.When receiving an incoming frame, a station in either half-duplex or full-duplex mode will _____.

A.Check for the maximum frame size of 64 bytes

B.Perform collision detection

C.Truncate the frame after 1518 bytes

D.Validate the FCS

Answer:D

11.Choose all that apply. The Gigabit Ethernet Sniffer can be configured to store data in the _____ buffer during capture.

A.Adapter Buffer

B.Capture Buffer

C.Jitter Buffer

D.All of the above

Answer:A B

12.The maximum cable distances for Full Duplex Ethernet are _____ compared to Half Duplex Ethernet:

A.Much higher

B.The same

C.Much lower

D.Slightly higher

Answer:A

13.Port mirroring can be set from the Sniffer Portable only if the switch supports it and the switch is configurable via _____.

A.IOS

B.SPAN

C.SNMP requests

D.802.1

Answer:C

14.Consider the following description: Only part of a frame has arrived at the adapter when the first part begins transmission on the media. The adapter quits sending the frame, leaving an incomplete frame transmitted. This is likely a(n):

A.IRQ setting problem

B.Normal occurrence with any Ethernet adapter

C.TCP timer problem

D.Fast Transmit Adapter issue

Answer:D

15.When a network is displaying excessive propagation delay problems, the corruption in the frame is random, but typically seen before the _____.

A.64th bit

B.64th byte

C.32nd bit

D.32nd byte

Answer:B

16.A duplex mismatch between a switch port and an end node will typically result in _____.

A.Total loss of communications

B.Fall back to half-duplex mode

C.Increased broadcast traffic

D.Excessive collisions

Answer:D

17.When a network is displaying _____problems, the frames are the right size, but have incorrect data with CRC errors. The Sniffer will show Physical Errors as symptoms or diagnoses.

A.Excessive propagation delay

B.Legal collision

C.Signal reflection

D.Electrical noise

Answer:D

18.Legal collisions in Ethernet occur within the first _____of data.

A.32 bits

B.64 bits

C.256 bits

D.512 bits

Answer:D

19.The Sniffer may identify frames affected by a rogue node or bad port as _____.

A.CRC errors

B.Oversize frames

C.Undersize frames

D.Late collisions

Answer:D

20.The Sniffer History Samples reports are especially useful for long term reporting of _____.

A.Slow response time problems

B.Identifying high rates of collisions and CRC errors

C.Combining multiple criteria for baseline reporting

D.All of the above

Answer:D

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