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**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