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Exam Code: 920-252
NCSS - Ethernet Routing Switch 8600

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1. Your customer has installed two 8691SF cards on their Ethernet Routing Switch 8600 chassis. Which two functional benefits are realized from this installation? (Choose two.)

- A. a redundant configuration
- B. I/O ports bandwidth is automatically doubled
- C. cost-effective expansion of the switch's hardware
- D. the customer can choose between two modes of operation (Warm Standby and High Availability)

Answer: AD

2. Corporate headquarters wants to make sure authentication messages to switches are not sent in clear text. Which solution satisfies this request?

- A. use regular Telnet
- B. use Secure Shell (SSH)
- C. localize authentication servers to each switch
- D. use ICMP pings to extend authentication over LAN

Answer: B

3. A network administrator is provisioning a new Ethernet Routing Switch 8010 chassis. In which slots would you install the Ethernet Routing Switch 8600 I/O modules?

- A. Any of the available slots in 1 to 4
- B. Any of the available slots in 7 to 10
- C. Any of the available slots in 1 to 10
- D. Any of the available slots in 1 to 4 and 7 to 10

Answer: D

4. Which statement is true regarding Ethernet Routing Switch 8600 chassis types?

- A. The backplane architecture of the 8003, 8006 chassis differs from the 8010co architecture.
- B. The power supply for the 8003 chassis is not swappable with the 8010 or the 8010co chassis.
- C. All chassis are built using the same backplane architecture and use the same switch fabric and I/O modules.
- D. The 8010co has specific CPU modules to address higher bandwidths that are not available in the other chassis types.

Answer: C

5. What is the maximum number of Gigabit Ethernet ports supported on the 8010 chassis?

- A. 16
- B. 64
- C. 128
- D. 256

Answer: C

6. If a second CPU/SF module is installed on a 8010 chassis, which component allows you to share the switching load for all the I/O module ports resulting in increased throughput?

- A. MultiLink Trunking (MLT)
- B. Packet Over Sonet (POS)
- C. Silicon Switch Fabric (SSF)
- D. Gigabit Interface Converter (GBIC)

Answer: C

7. Which two functions are the responsibilities of the CPU part of the 8691SF module? (Choose two.)

- A. Keep all L2/L3 route table data up to date.
- B. Process all packets that arrive on every I/O port on the switch.
- C. Allow packet forwarding of all traffic across all routing switch I/O modules.
- D. Process all packets that cannot be handled by L2 or L3 (hardware) due to an unknown route or packet type.

Answer: AD

8. Which Ethernet Routing Switch 8600 module allows you to provide load-balancing (L4) to server farms connected to your Ethernet Routing Switch 8600, without installing another separate switch?

- A. Alteon Web Switching Module
- B. Passport 8672ATME/M Module
- C. Passport 8683POSE/M Module
- D. Alteon 8661 SSL Acceleration Module

Answer: A

9. Given: Left LED - green
Right LED - flashing green

On a Passport 8648TXE/M 10/100 Ethernet I/O module, what is the status of a port that is displaying the LED conditions described above?

- A. Link speed is 10 Mbps and the port is disabled.
- B. Link speed is 100 Mbps and the port is disabled.
- C. Link speed is 10 Mbps and the port is passing traffic.
- D. Link speed is 100 Mbps and the port is passing traffic.

Answer: D

10. Given: Rx LED - steady green
Tx LED - flashing green

On a Passport 8608SXE 1000 Gigabit Ethernet I/O module, what is the status of a port that is displaying the LED conditions described above?

- A. The port is enabled and receiving data.
- B. The port is initializing and receiving data.
- C. The port is receiving and transmitting data.
- D. The port is enabled and is transmitting data.

Answer: D

11. If one Multi Link Trunk is being used, how many fewer VLANs would be available on the Ethernet Routing Switch 8600 running in standard mode?

- A. 1
- B. 4
- C. 8
- D. 16

Answer: C

12. What is an advantage of a brouter port?

- A. It forwards only broadcast traffic.
- B. It has the ability to use multiple brouter ports in the same VLAN.
- C. It does NOT require a VLAN ID nor decreases the number of VLANs.
- D. It can be in the blocking state for non-routable traffic and still be able to route IP traffic.

Answer: D

13. In default configuration, what are the two TRUE statements regarding Virtual Router Redundancy Protocol (VRRP) backup interface. (Choose two.)

- A. It must advertise its presence to the network.
- B. It must NOT forward packets addressed to the IP address(es) associated with the virtual router.
- C. It must discard packets with a destination Media Access Control (MAC) equal to the virtual router MAC.
- D. It must respond to Address Resolution Protocol (ARP) requests for address(es) associated with the virtual router.

Answer: BC

14. Which Ethernet Routing Switch QoS feature ensures that the lower six egress queues are serviced in a fair, yet weighted manner?

- A. WRR
- B. WFQ
- C. DSCP
- D. TCP/UDP

Answer: A

15. Which Ethernet Routing Switch 8600 IP multicasting protocol is used by hosts to report their multicast group memberships to neighbor multicast routers?

- A. IGAP
- B. IGMP
- C. PIM-SM
- D. DVMRP

Answer: B

16. Which route type in the Ethernet Routing Switch 8600 routing table provides additional routes for faster convergence in case of network/link failures?

- A. best
- B. direct
- C. MPLS
- D. ECMP

Answer: D

17. Which three statements are true regarding RMON alarms? (Choose three.)

- A. Alarms have an interval polling period.
- B. String variables can be used to define an alarm.
- C. All alarms define upper and lower threshold values.
- D. Alarms have a corresponding rising and falling event.
- E. Alarms can only be viewed by Java Devise Manager (JDM).

Answer: ACD

18. An engineer configures a Multi-Link Trunk (MLT) connection between two co-located Ethernet Routing Switch 8600s using three 10/100 Ethernet ports on each switch. The engineer configures each port as 100 Mbps Full Duplex.

Which algorithm will the Ethernet Routing Switch 8600s use to distribute bridged traffic across the links?

- A. Random
- B. Round Robin
- C. Destination Media Access Control (MAC) address algorithm
- D. Source and Destination Media Access Control (MAC) address algorithm

Answer: D

19. Your customer is running their switch configuration in High Availability (HA) mode.

Which two advantages does this mode have over Warm Standby mode? (Choose two.)

- A. Failure of one CPU causes the other to reboot.
- B. It employs protocols which include BGP, DVMRP, and PIM.
- C. It allows both CPUs to be activated, allowing the system to fail-over in less than one second.
- D. It allows synchronization of L2 tables and L3 parameters including static routes and ARP tables.

Answer: CD

20. A customer has installed their Ethernet Routing Switch 8600 switches without MLT and with Enhanced Mode disabled.

What is the maximum number of user defined VLANs that can be configured?

- A. 1024
- B. 1980
- C. 1981
- D. 2048

Answer: B