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Practice Exam Questions for: Nokia IP Networks and Services Fundamentals (exam number: 4A0-100)

The following questions will test your knowledge and prepare you for the Nokia NRS I Certification Exam. Compare your responses with the Answer Key at the end of the document.

Module 1: Introduction to Networking and Services

1. Which TCP/IP layer is responsible for path determination and end-to-end forwarding of datagrams?
 - a. The Application layer
 - b. The Transport layer
 - c. The Internet layer
 - d. The Link layer
2. What information is part of the encapsulation done at the Link layer?
 - a. Source and destination MAC addresses
 - b. Source and destination IP addresses
 - c. Source and destination port numbers
 - d. Source and destination email addresses
3. Which of the following is NOT a function of the control plane in a router?
 - a. To exchange control messages with other routers
 - b. To collaborate with other routers to find the best way to forward data packets
 - c. To populate the routing table and the tunnel table
 - d. To forward data packets towards their destination

Module 2: Introduction to the 7750 Service Router

4. Which of the following shows a typical data packet flow when egressing a Nokia 7750 SR?
 - a. SF/CPM -> MDA -> IOM -> SFP
 - b. SF/CPM -> SFP -> IOM -> MDA
 - c. SF/CPM -> IOM -> MDA -> SFP
 - d. MDA -> IOM -> SF/CPM -> SFP

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Alcatel-Lucent 4A0-100 Exam covers a range of topics related to IP networking, including network design and architecture, routing protocols, network management, and security. 4A0-100 exam is designed to test the candidate's ability to design, configure, and troubleshoot complex IP networks, and to ensure that they have a thorough understanding of the underlying concepts and principles of IP networking.

Alcatel-Lucent Nokia IP Networks and Services Fundamentals Sample Questions (Q36-Q41):

NEW QUESTION # 36

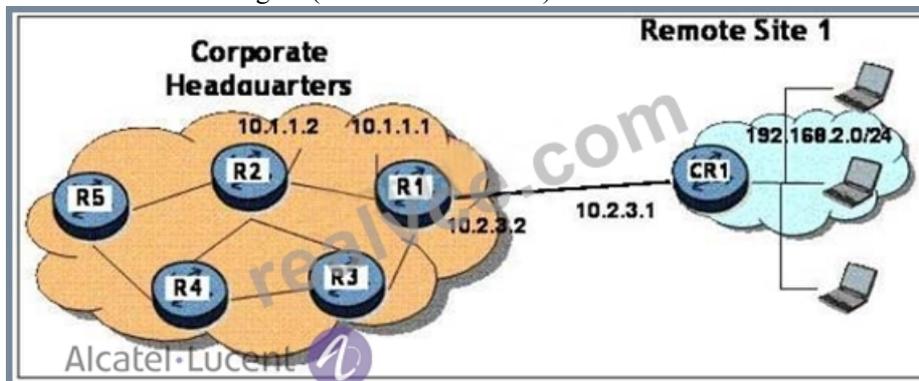
Which of the following best describes a repeater?

- A. A device that receives a signal and based on the Layer 3 destination address, makes a decision on which ports the signal should be retransmitted.
- **B. A device that receives and retransmits a signal out its ports, but does not do any Layer 2 analysis of the data.**
- C. A passive device simply used to connect two or more cables. Does not generate or amplify any signals.
- D. A device that receives a signal and based on the Layer 2 destination address, makes a decision on which ports the signal should be retransmitted.

Answer: B

NEW QUESTION # 37

Based on the network diagram (click the Exhibit Button).



R2 wants to connect a host on 192.168.2.0/24 behind CR1. What is the correct next-hop to use, assuming R1 is configured correctly?

- A. 10.1.1.2
- B. 10.2.3.2
- **C. 10.1.1.1**
- D. 10.2.3.1

Answer: C

NEW QUESTION # 38

What capability of TCP/IP allows two hosts to have multiple TCP sessions to each other simultaneously?

- **A. The combination of IP source and destination address and TCP source and destination port uniquely identifies each session.**
- B. Two hosts can not have multiple TCP sessions simultaneously.
- C. The hosts can identify the sessions using each others MAC addresses.

- D. The combination of IP source and destination address and the IP protocol field uniquely identifies each session.

Answer: A

NEW QUESTION # 39

Which of the following are examples of Time Division Multiplexing (Choose two)?

- A. SONET/SDH.
- B. Ethernet.
- C. E1 carrier.
- D. PPP
- E. Token-Ring.

Answer: A,C

NEW QUESTION # 40

What is the function of the Routing Table Manager?

- A. Based on the metrics of the routing protocol, find the best path to the destination network and install it in the routing table.
- B. Based on the routing protocol preference values, chose the route with the lowest preference and install it in the routing table.
- C. Provide a CLI interface to allow the network operator to install static routes in the routing table.
- D. Provide a CLI interface to allow the operator to configure the dynamic routing protocol on the router.

Answer: B

NEW QUESTION # 41

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