

Nokia 4A0-100 Exam

Volume: 245 Questions

Question No: 1

Which of the following statements best describes ARPANET?

- A. ARPANET was an early packet switched network initially connecting 4 sites (Stanford, UC Santa Barbara, UCLA, and U of Utah).
- B. The mission of ARPANET was to connect packet switched networks and other diverse networks, making an international network of networks.
- C. ARPANET connected sites spread around the Hawaiian Islands to a central time-sharing computer on the University of Hawaii campus.
- D. ARPANET was based on the use of TCP/IP to interconnect diverse systems.

Answer: A

Question No: 2

A typical Alcatel-Lucent 7750 SR Media Dependent Adapter (MDA) interfaces with:

- A. A Small Form-Factor Pluggable (SFP) module.
- B. The Central Processing Unit (CPU).
- C. The Control Plane.
- D. The Switch Fabric.

Answer: A

Question No: 3

Which of the following best describes the operation of the Media Dependent Adapter (MDA)?

- A. The MDA contains the flexible fast path complex used for forwarding data.
- B. Excess data is discarded by the MDA and the remaining data forwarded for QoS processing.
- C. The MDA buffers data and applies Quality of Service (QoS) to classify and treat the data appropriately.

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D. The MDA converts data from its incoming physical format into an internal format and provides some minimal buffering.

Answer: D

Question No: 4

What is NOT a function of the IOM?

- A. It forwards the data to the switch fabric.
- B. It discards excess data packets.
- C. It converts the incoming data to an internal format.
- D. It performs Quality of Service operations and buffers incoming data.

Answer: C

Question No: 5

Which compact flash on a Control/Switch processor of an Alcatel-Lucent 7750 router stores the runtime image and running configuration?

- A. CF1
- B. CF2
- C. CF3
- D. Both A and B

Answer: C

Question No: 6

One of the tasks of the boot options file (BOF) is to:

- A. Specify authorization information to control access to the router.
- B. Define an IP address for the CPM Ethernet port.
- C. Initialize the hardware.

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D. Set the date/time for the system.

Answer: B

Question No: 7

Which of the following user interface sessions are accessible through Telnet and Secure Shell (SSH) on the Alcatel-Lucent 7750 SR and 7450 ESS?

A. Graphic User Interface (GUI).

B. Node Management Terminal Interface (NMTI).

C. Command Line Interface (CLI).

D. All of the above.

Answer: C

Question No: 8

You are working from a particular Command Line Interface (CLI) context, and want to see the commands available from your current context. What command can you issue to view this information?

A. view tree

B. tree

C. info detail

D. info

Answer: B

Question No: 9

What is available for auto completion of commands within the CLI on the Alcatel-Lucent 7750 SR Service Router?

A. Type the first letters of the command, then press Ctrl C

B. Type the first letters of the command, then press Esc

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C. Type the first letters of the command, then press Tab

D. Type the first letters of the command, then type ?

Answer: C

Question No: 10

Which of the following is a File command in the File System context of the Command Line Interface (CLI)?

A. time-display

B. help

C. type

D. terminal

Answer: C

Question No: 11

What must occur for a LAG to become operational?

A. There must be multiple ports assigned to the LAG.

B. All ports in the LAG must be configured with the same characteristics.

C. Auto-negotiation must be enabled on all ports in the LAG.

D. All of the above.

Answer: B

Question No: 12

If a 4-port LAG is configured with the option of 'port-threshold 2' and 'action down' what will happen if the total operational links in the LAG is 2?

A. If dynamic-cost is enabled it will adjust the cost for routing protocols such as OSPF.

B. If dynamic-cost is not enabled it will adjust the cost for routing protocols such as OSPF by dividing the link bandwidth by 2.

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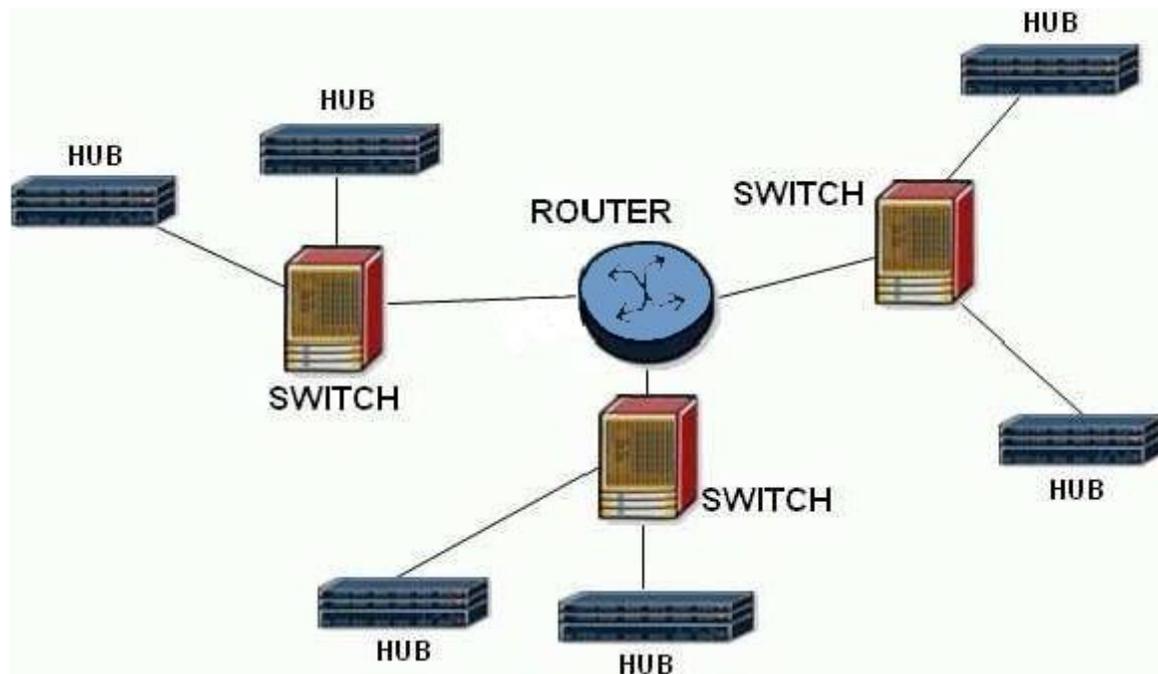
C. The LAG will be changed to an operational state of 'down'.

D. The LAG will function with only 2 ports. There will be no change to the routing metric.

Answer: C

Question No: 13

Click the Exhibit Button below:



An Ethernet Local Area Network (LAN) consists of the components shown in the diagram below:
How many broadcast and collision domains are on this LAN?

A. 9 broadcast domains, 3 collision domains.

B. 3 broadcast domains, 3 collision domains.

C. 3 broadcast domains, 9 collision domains.

D. 1 broadcast domain, 9 collision domains.

Answer: C

Question No: 14

As described by the CSMA/CD algorithm, what is the first thing to happen when Host A and Host B begin transmitting data at the same time?

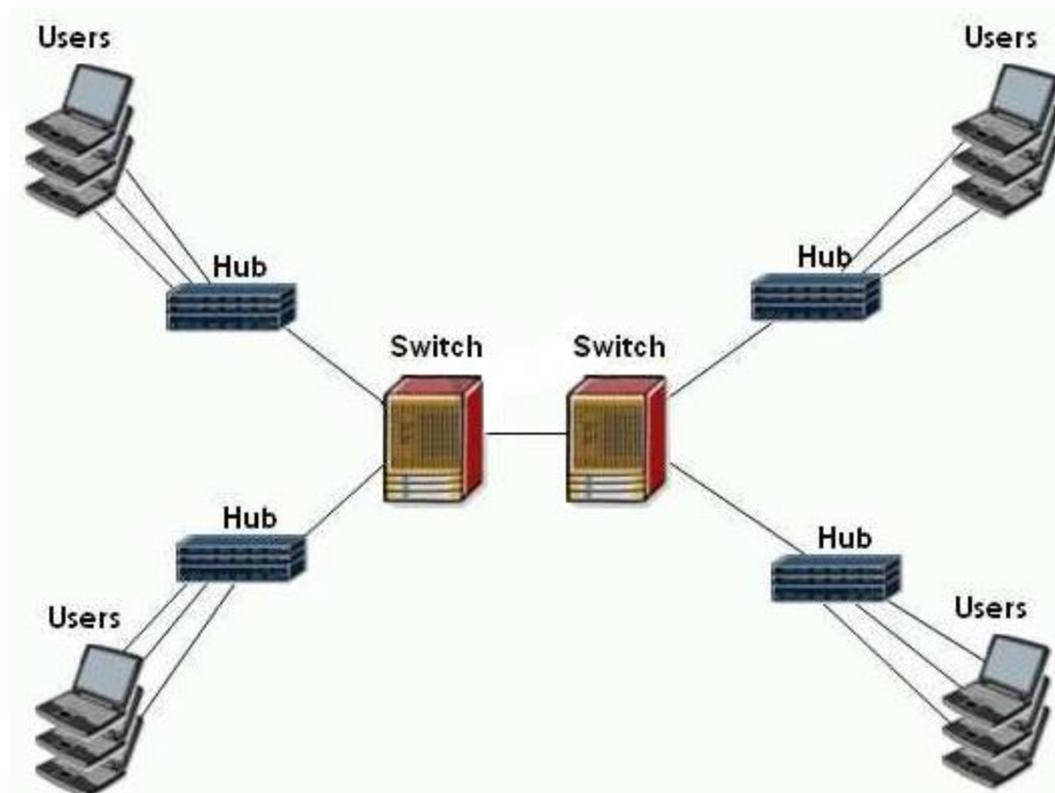
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- A. Host A and B will generate a jam signal.
- B. Listening hosts will request retransmission.
- C. Host A or B will retry the transmission.
- D. A back-off timer is started by Host A or B.

Answer: A

Question No: 15

Click the Exhibit Button below



An Ethernet Local Area Network (LAN) consists of the following components:

Four 24-port hubs & Two 16-port switches

How many broadcast domains are on this LAN?

- A. 1
- B. 2
- C. 5

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D. 32

Answer: A

Question No: 16

Which of the following best describes an Ethernet bridge?

- A. A passive device simply used to connect two or more cables. Does not generate or amplify any signals.
- B. A device that receives and retransmits a signal out its other ports, but does not do any Layer 2 analysis of the data.
- C. 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.
- D. 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.

Answer: C

Question No: 17

What happens immediately after an Ethernet switch receives an Ethernet frame?

- A. It records the destination MAC address and the interface on which it arrived.
- B. It records the source MAC address and the interface on which it arrived.
- C. It floods the frame out of all its interfaces except the interface on which the frame arrived.
- D. It transmits the frame out of the appropriate interface.

Answer: B

Question No: 18

What is the behavior of a typical Ethernet switch when it receives a frame with a unicast destination MAC address? (Choose two)

- A. The switch floods the frame out of all ports except the port on which it was received.
- B. The switch looks in its FDB. If the source address is unknown it discards the frame.

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C. The switch looks in its FDB. If the destination address is known it forwards the frame out the appropriate interface.

D. The switch looks in its FDB. If the destination address is unknown it floods the frame out all ports except the port on which it was received.

E. The switch looks in its FDB. If the destination address is unknown it discards the frame.

Answer: CD

Question No: 19

Which technologies can be used with Ethernet switches to achieve redundancy? (Choose two)

A. LAG

B. OSPF

C. RIP

D. STP

Answer: AD

Question No: 20

In what type of network is a broadcast storm likely to occur?

A. An Ethernet network with redundant paths not running STP.

B. An ATM network.

C. A SONET network.

D. All of the above.

Answer: A

Question No: 21

What problems was Spanning Tree Protocol (STP) primarily designed to solve? (Choose two):

A. Providing path redundancy.

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- B. Preventing loops.
- C. Handling collisions.
- D. Allowing flooding of multicast traffic.

Answer: AB

Question No: 22

Which of the following is a feature of a VLAN?

- A. A VLAN allows multiple Ethernet switches to be connected in a single broadcast domain.
- B. A VLAN allows multiple Ethernet switches to be connected in a single collision domain.
- C. A VLAN can separate ports on the same switch into different broadcast domains.
- D. A VLAN can separate ports on the same switch into different collision domains.

Answer: C

Question No: 23

What is required if devices on different VLANs wish to communicate with each other?

- A. Devices on different VLANs cannot communicate with each other.
- B. Devices on different VLANs can communicate with each other as long as they are connected to the same switch.
- C. Devices on different VLANs can communicate with each other as long as the switches they are attached to are connected to each other with an Ethernet connection.
- D. Devices on different VLANs can communicate with each other if there is an IP router to connect the VLANs.

Answer: D

Question No: 24

A 24 port Ethernet switch is configured with VLAN 100 on ports 1 -8, VLAN 200 on ports 9 -16 and VLAN 300 on ports 17 -24. Which of the following describes the behavior of the switch when a broadcast frame

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is received on port 1?

- A. The switch will discard the broadcast frame because there is no specific destination address.
- B. The switch will flood the broadcast frame on all ports on which the switch has seen frames from attached devices
- C. The switch will flood the broadcast frame on ports 2 to 8.
- D. The switch will flood the broadcast frame on all 24 ports.

Answer: C

Question No: 25

The method by which Ethernet frames are associated to a specific VLAN is referred to as:

- A. Segmenting
- B. Stacking
- C. Routing
- D. Tagging

Answer: D

Question No: 26

What information is used to separate VLANs on a VLAN trunk that connects multiple VLANs?

- A. VLAN tag.
- B. IP Header.
- C. FCS.
- D. Priority Value.

Answer: A

Question No: 27