12/7/2019 TestOut LabSim

Exam Report: 1.2.3 Practice Questions	<u> </u>
Date: 12/7/2019 3:52:52 pm Time Spent: 8:39	Candidate: Garsteck, Matthew Login: mGarsteck
Overall Performance	
Your Score: 83%	
	Passing Score: 80%
View results by: Objective Analysi	is Individual Responses
Individual Responses	
▼ Question 1: <u>Correct</u>	
You have a small network that uses a using?	a switch to connect multiple devices. Which physical topology are you
Ring	
○ Mesh	
O Bus	
Star	
Explanation	
A hub creates a network with a phys topology and sends messages to all t	sical star topology. The physical star topology uses a logical bus the devices connected to the hub.
A mesh topology is a series of point-device called an MSAU.	-to-point links between devices. A ring topology uses a central
References	
LabSim for Network Pro, Section 1 [netpro18v5_all_questions_en.exm]	
▼ Question 2: <u>Incorrect</u>	<u>ct</u>
	lement a wired network infrastructure that will accommodate failed budget, so you decide to provide redundancy for only a handful of
Which of the following network topo	ologies should you implement?
○ Star	
O Bus	
Partial mesh	
Full mesh	

Explanation

In a partial mesh topology, only some redundant paths exist. A partial mesh topology is more practical and less expensive than a full mesh topology.

In a full mesh topology, every device has a point-to-point connection with every other device. This provides full redundancy, but it is expensive and impractical. A star topology connects network devices to the network with a single patch cable; a patch cable failure makes the connected device unavailable. A bus topology has a single point of failure. If there is a break in the network media, the network becomes unavailable.

References

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LabSim for Network Pro, Section 1.2. [netpro18v5_all_questions_en.exm *NP15_NETWORK_TOPOLOGIES_01] **Question 3:** Correct You have a network that uses a logical ring topology. How do messages travel through the network? Messages are sent to all devices connected to the network. Messages travel from one device to the next until they reach the destination device. Messages are sent to a central device that forwards them to the destination devices. Messages are sent directly to the destination device only. **Explanation** In a logical ring topology, messages travel to each device in turn. If the message is not intended for that device, the message is forwarded to the next device on the network. References LabSim for Network Pro, Section 1.2. [netpro18v5_all_questions_en.exm NP05_1-1 #7] **Question 4:** Correct You have a network that uses a logical bus topology. How do messages travel through the network? Messages travel from one device to the next until they reach the destination device. Messages are sent directly to the correct destination device. Messages are broadcast to all devices connected to the network. Messages are sent to a central device that forwards them to the destination devices. **Explanation** Messages sent using a physical bus topology are broadcast to all devices in the network. The device in the middle of the star, which is typically a hub, receives the message and forwards it on to all other devices. References LabSim for Network Pro, Section 1.2. [netpro18v5_all_questions_en.exm NP05_1-1 #15] **▼** Question 5: Correct Which of the following topologies connects all devices to a trunk cable? Bus Ring Star Tree **Explanation** The bus topology connects all devices to a trunk cable. References LabSim for Network Pro, Section 1.2. [netpro18v5_all_questions_en.exm NP05_1-1 #67] **▼** Question 6: Correct

Which of the following topologies connects each device to a neighboring device?

	Mesh
	Bus
	Tree

Explanation

This type of network uses a physical mesh topology. A mesh topology has two key characteristics: There is no central connecting point.

• Any host can communicate directly with any other host on the network.

A mesh network is usually impractical on a wired network. Each host would require a separate dedicated network interface and cable connected to each host on the network. But you can implement a mesh topology with relative ease on a wireless network because wires aren't an issue.

References

LabSim for Network Pro, Section 1.2. [netpro18v5_all_questions_en.exm NP05_1-1 #118]

Question 10:

Correct

Your manager has asked you to implement a network infrastructure that will accommodate failed connections.

Which of the following network topologies provides redundancy for a failed link?

\bigcirc	Bus
	D:

() Ring Star



Explanation

In a mesh topology, each network device is interconnected to all other network nodes. This creates multiple data paths. If a link fails, the data has an alternate route to its destination.

The star topology connects network devices to the network with a single patch cable. A patch cable failure makes the connected device unavailable. The bus topology has a single point of failure. If there is a break in the network media, the network becomes unavailable. A single break in a physical ring topology disables the network.

References

LabSim for Network Pro, Section 1.2. [netpro18v5_all_questions_en.exm NP05_4-7 #43]

Question 11:

Incorrect

You want to implement a fault tolerant topology as you connect routers on your wide area network. Which of the following topologies meets your needs?

\Rightarrow	Mesh

Dus

Star

Ring

Explanation

A mesh topology has multiple connections at each node, increasing connectivity fault tolerance. None of the other topologies have native fault tolerance built in.

References

LabSim for Network Pro, Section 1.2. [netpro18v5_all_questions_en.exm NP05_3-11 #32] 12/7/2019 TestOut LabSim

Question 12:	<u>Correct</u> o create a physical star topology?
What device is used to	o create a physical star topology?
Switch	

Switch	
Bridge	
ORouter	
Firewall	

Explanation

A physical star topology uses a switch or a

hub. Routers are used to connect multiple subnets together. A firewall is a router that filters packets or other

References

LabSim for Network Pro, Section 1.2. [netpro18v5_all_questions_en.exm NP09_2-3 #1]