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Quiz 3

Due Nov 28 at 11:30am Points 10 Questions 10 Time Limit 30 Minutes

Attempt History

Question 2

False

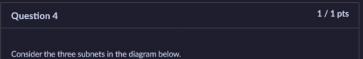
	Attempt	Time	Score
LATEST		28 minutes	9 out of 10

Score for this quiz: 9 out of 10 Submitted Dec 21 at 10:50am This attempt took 28 minutes. 1 / 1 pts Question 1 Consider a router that interconnects three subnets: Subnet 1, Subnet 2, and Subnet 3 that share a network with address 223.1.17/24. Match network address (prefix) (in the form a.b.c.d/x) for each of the following subnets. Subnet 1 is required to support at least 223.1.17.64/28 12 interfaces Subnet 2 is to support at least 60 223.1.17.0/26 Subnet 3 is to support at least 90 223.1.17.128/25 interfaces Other Incorrect Match Options: • 223.1.17.192/24

The key differences between routing and forwarding is that forwarding is a router's local action of transferring packets from its input interfaces to its output interfaces and forwarding takes place at very short timescales (typically a few nanoseconds), and thus is typically implemented in hardware. Routing refers to the network-wide process that determines the end-to-end paths that packets take from sources to destinations. Routing takes place on much longer timescales (typically milliseconds to seconds) and is often implemented in software.

1 / 1 pts

Question 3 1 / 1 pts Suppose there are three routers between a source host and a destination host. Ignoring fragmentation, an IP datagram sent from the source host to the destination host will travel over how many interfaces? Correct! 8 3 4 10 6 2



Submission Details:

Time: 28 minutes

Current Score: 9 out of 10

Kept Score: 9 out of 10

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