Lecture 7 (2/11) Self Test

Due Feb 18 at 5pm **Points** 1 **Questions** 10
Available until Jun 1 at 11:59pm **Time Limit** None

Instructions

Self test for lecture 7. Will open at 5pm.

Score for this survey: **1** out of 1
Submitted Feb 13 at 10:44pm
This attempt took 17 minutes.

Question 1

Write a haiku about routing.

Your Answer:

Nice routing

Without the looping

We should guess

Question 2

According to lecture, poison reverse is the same exact idea as _____, but more aggressive.

- Poisoning
- Poison Convergence

ou Answered

- (•) Split Horizon
- ( ) Link-State

Split Horizon

Question 3

Choose the best answer to the question: Which technology does not require “seeding” with static routes?

ou Answered

- (•) Link-State Protocols
- ( ) Distance-Vector Protocols
- ( ) Learning Switches
- ( ) Interior Gateway Protocols
- ( ) Forwarding tables

Learning Switches

Question 4

Which of the following do routers using Link-State protocols flood?

ou Answered

- [ ] Data packets
- [x] Information about links between neighbors
- [ ] Information about destinations
- [ ] Paths from the current node to destinations

Information about links between neighbors
Information about destinations

Question 5

In Link-State routing, do all nodes always have the same global picture of the network?

ou Answered

- ( ) Yes
- (•) No

No

Question 6

“Hello” messages in Link-State routing are used to:

- ( ) Minimize path distance

Discover destinations

ou Answered

Discover neighbors

Improve convergence time

Discover neighbors

Question 7

Which of the following statements is true during Link-State convergence:

All packets are dropped

ou Answered

Some packets may be dropped

ou Answered

Some packets may loop

ou Answered

Routers will independently compute their next hops

ou Answered

Packets will always continue to be delivered in order

Some packets may be dropped
Some packets may loop
Routers will independently compute their next hops

Question 8

Do you understand the difference between Split Horizon, Poison Reverse, and Poisoning?

ou Answered

- (•) Yes
- ( ) No

Maybe?!

Question 9

If a router has never advertised a route, does it need to poison it?

- ( ) Yes

ou Answered

- (•) No

No

Question 10

Do Link-State routing algorithms always minimize hop counts?

- ( ) Yes

ou Answered

- (•) No

No

Survey Score: **1** out of 1