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|---|---|
| **Started on** | Tuesday, 27 August 2024, 9:02 AM |
| **State** | Finished |
| **Completed on** | Tuesday, 27 August 2024, 9:06 AM |
| **Time taken** | 3 mins 43 secs |
| **Marks** | 2.00/12.00 |
| **Grade** | **1.67** out of 10.00 (**17**%) |

**Question 1**

Correct

Mark 2.00 out of 2.00

S1: Distance vector routing is used by OSPF

S2: Link state routing is used by RIP

Select one or more:

- [ ] a. S1 is correct but S2 is incorrect
- [ ] b. S2 is correct but S2 is correct
- [ ] c. Both statements are true
- [x] d. Both statements are false ✓

The correct answer is: Both statements are false

**Question 2**

Incorrect

Mark 0.00 out of 2.00

In link state routing, a link state announcement packet is prepared by the router based on

Select one or more:

- [x] a. Local knowledge of the network ✓
- [ ] b. Network administrator preference
- [x] c. Knowledge of the whole network ✗
- [ ] d. User preference

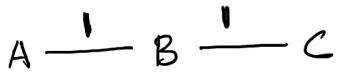
The correct answer is: Local knowledge of the network

**Question 3**

Incorrect

Mark 0.00 out of 2.00

Consider the network below with distance vector routing. When the A-B link weight changes from 1 to 70, how many message exchanges between B and C it will take for the routing table to stabilize at B?




Select one or more:

- a. 70
- b. 1
- c. 2-35 ✗
- d. 36-69

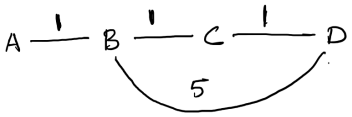
The correct answer is: 36-69

**Question 4**

Incorrect

Mark 0.00 out of 2.00

Consider the following network topology with distance vector routing:




If the A-B link goes down:

S1: Split horizon will address the count-to-infinity problem

S2: Split horizon with poison reverse will address the count-to-infinity problem

Select one or more:

- a. Both statements are true
- b. Both statements are false
- c. S1 is incorrect, S2 is correct ✗
- d. S1 is correct, S2 is incorrect

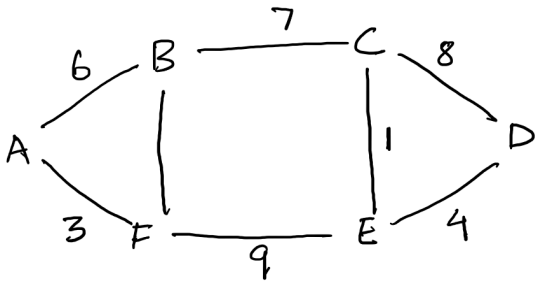
The correct answer is: Both statements are false

**Question 5**

Incorrect

Mark 0.00 out of 2.00

Consider the following network topology with shortest path routing:




How many links will not be utilized after the routing table stabilizes?

Select one or more:

- [x] a. 4 ✗
- [ ] b. 2
- [ ] c. 3
- [ ] d. 1

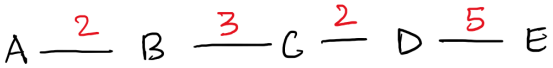
The correct answer is: 2

**Question 6**

Incorrect

Mark 0.00 out of 2.00

What is the distance vector announced by B in the 2nd iteration for the following network topology?




Select one or more:

- [ ] a. (B,0)
- [x] b. (A,2), (C,3) ✗
- [ ] c. (A,2), (C,3), (D,5)
- [ ] d. (B,0), (A,2), (C,3)

The correct answer is: (B,0), (A,2), (C,3)

◀ Quiz4

Jump to...

Assignment2 ▶