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Started on	Wednesday, 1 May 2019, 4:44 PM
State	Finished
Completed on	Wednesday, 1 May 2019, 4:45 PM
Time taken	1 min 15 secs
Grade	**10.00** out of 10.00 (**100**%)

Question **1**

Correct

Mark 1.00 out of 1.00

A domain is run by multiple administration.

Select one:

○ True

◉ False ✓

The correct answer is 'False'.

Question **2**

Correct

Mark 1.00 out of 1.00

A Border Router is connected to more than one ISP.

Select one:

◉ True ✓

○ False

The correct answer is 'True'.

Question 3

Correct

Mark 1.00 out of 1.00

Each ISP must run intra-domain routing protocols to route packets within its domain.

Select one:
- ◉ True ✓
- ○ False

The correct answer is 'True'.

Question 4

Correct

Mark 1.00 out of 1.00

In graph abstraction of communication networks, edges represent routers.

Select one:
- ○ True
- ◉ False ✓

The correct answer is 'False'.

Question 5

Correct

Mark 1.00 out of 1.00

In graph representation of communication networks, all links must have identical costs/weights.

Select one:
- ○ True
- ◉ False ✓

The correct answer is 'False'.

Question 6

Correct

Mark 1.00 out of 1.00

Shortest path represents the path with minimum number of hops

Select one:
- ◉ a. when all links have equal cost ✓
- ○ b. in any communication networks
- ○ c. when each hop has at least 1 ms of delay at minimum
- ○ d. when most hops are heavily loaded

Your answer is correct.

The correct answer is: when all links have equal cost

Question 7

Correct

Mark 1.00 out of 1.00

In link state routing, routers must flood the network with any changes in its links.

Select one:

○ True ✓

○ False

The correct answer is 'True'.

Question 8

Correct

Mark 1.00 out of 1.00

Distance Vector scales better than Link State because it exchanges smaller data packets with its neighbours.

Select one:

○ True

○ False ✓

The correct answer is 'False'.

Question 9

Correct

Mark 1.00 out of 1.00

With Distance Vector routing, each router must have the knowledge of the complete network topology.

Select one:

○ True

○ False ✓

The correct answer is 'False'.

Question 10

Correct

Mark 1.00 out of 1.00

For a network with 10 routers, the loop in Dijkstra's algorithm will be executed

Select one:

○ a. only once

○ b. 9 times ✓

○ c. 10 times

○ d. 11 times

Your answer is correct.

The correct answer is: 9 times