



Started on Wednesday, 9 October 2024, 8:09 AM

State Finished

Completed on Wednesday, 9 October 2024, 8:11 AM

Time taken 2 mins 25 secs

Grade 10.00 out of 10.00 (100%)

Question 1

Correct

Mark 1.00 out of 1.00

CIDR has essentially eliminated the IPv4 Class A/B/C mechanism from the:

Select one:

- ☐ a. smallest ISPs
- ☐ b. entire IP network
- ☐ c. hosts running Windows OS
- ☒ d. the Internet backbone ✓

Your answer is correct.

Question 2

Correct

Mark 1.00 out of 1.00

Routers have the option of fallback-to-flooding for unknown destinations (i.e. those which are not in their routing table).

Select one:

- ☐ True
- ☒ False ✓

Question 3

Correct

Mark 1.00 out of 1.00

Subnetting allows aggregation of IP address blocks in a way that is visible to the Internet backbone.

Select one:

- ☐ True
- ☒ False ✓

Question 4

Correct

Mark 1.00 out of 1.00



In order to fix the slow-convergence problem, most flavors of the RIP protocol use a value of “infinity” set to:

Select one:

- ☐ a. a random value
- ☒ b. 16 ✓
- ☐ c. 0
- ☐ d. 1000

Your answer is correct.

Question 5

Correct

Mark 1.00 out of 1.00

Distance-vector is the simplest routing-update algorithm and it is used by:



Select one:

- ☐ a. Border Gateway Protocol
- ☐ b. Open Shortest Path First
- ☒ c. Routing Information Protocol ✓
- ☐ d. Intermediate System to Intermediate System |

Your answer is correct.

Question 6

Correct

Mark 1.00 out of 1.00

In link-state routing implementations, link-state records must be periodically renewed.

Select one:

- ☒ True ✓
- ☐ False

Question 7

Correct

Mark 1.00 out of 1.00

An example of distance-vector routing-update algorithms that eliminate routing loops is:

Select one:

- ☐ a. Destination-Sequenced Distance Vector
- ☐ b. Enhanced Interior Gateway Routing Protocol
- ☐ c. Routing Internet Protocol
- ☒ d. A and B Only ✓

Your answer is correct.

Question 8

Correct

Mark 1.00 out of 1.00

Internet Service Providers (ISPs) always connect to one another directly via high-speed links.

Select one:

- ☐ True
- ☒ False ✓

Question 9

Correct

Mark 1.00 out of 1.00

The CIDR longest-match rule for choosing the routing table entry to be used means:

Select one:

- ☐ a. using the oldest table entry
- ☐ b. using the least specific matching prefix
- ☒ c. using the most specific matching prefix ✓
- ☐ d. using the newest table entry

Your answer is correct.

Question 10

Correct

Mark 1.00 out of 1.00



The Border Gateway Protocol's primary goal is to provide support for choosing routes based on:

Select one:

- ☐ a. fastest link available
- ☐ b. link reliability
- ☒ c. administrative input ✓
- ☐ d. lowest cost links

Your answer is correct.