Started on	Tuesday, 3 September 2024, 9:03 AM
State	Finished
Completed on	Tuesday, 3 September 2024, 9:07 AM
Time taken	4 mins 10 secs
Grade	**2.00** out of 10.00 (**20**%)

Question 1

Incorrect

Mark 0.00 out of 2.00

A packet bearing a destination Address 200.200.200.168 arrives at a router on which interface it will be forwarded?

Destination Address Range	Links
200.200.200.0	a
200.200.200.64	b
200.200.200.128	c
200.200.200.192	d
0.0.0.0	e

Select one or more:

- ☑ a. c ✔
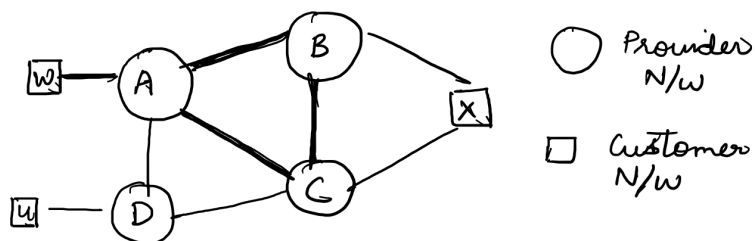- ☐ b. a
- ☐ c. b
- ☐ d. e
- ☑ e. d ✘

The correct answer is: c

Question 2

Incorrect

Mark 0.00 out of 2.00

Consider the following network topology. Which of the following announcements to C are illegal? An announcement is called illegal if it does not lead to revenue to any of the provider network. Select all that apply.

Select one or more:

- ☑ a. BAw ✓
- ☐ b. ADu
- ☐ c. Du
- ☐ d. Bx

The correct answers are: BAw, ADu

Question 3

Correct

Mark 2.00 out of 2.00

S1: BGP is an example of path-vector routing protocol

S2: local pref can be used for controlling incoming traffic

Which of the following is true?

Select one or more:

- ☐ a. Both are incorrect
- ☑ b. S1 is correct, S2 is incorrect ✓
- ☐ c. S1 is incorrect, S2 is correct
- ☐ d. Both S1 and S2 are correct

The correct answer is: S1 is correct, S2 is incorrect

Question 4

Incorrect

Mark 0.00 out of 2.00

How many entries are there in a 4-bit trie for the following forwarding table?

Select one or more:

- ☐ a. 10
- ☑ b. 3 ✗
- ☐ c. 18

The correct answer is: 10

Question 5

Incorrect

Mark 0.00 out of 2.00

Which of the following are data plane functions? Select all that apply.

Select one or more:

- ☐ a. Buffering
- ☑ b. Routing ✗
- ☑ c. Destination lookup ✓
- ☐ d. Switching

The correct answers are: Switching, Destination lookup, Buffering

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