Started on	Wednesday, 2 June 2021, 11:01 AM
State	Finished
Completed on	Wednesday, 2 June 2021, 11:11 AM
Time taken	9 mins 52 secs
Grade	**8.00** out of 10.00 (**80**%)

Question **1**

Complete

Mark 1.00 out of 1.00

In a decentralized routing algorithm, the calculation of the least-cost path is carried out in an iterative, distributed manner.

Select one:

○ True

○ False

The correct answer is 'True'.

Question **2**

Complete

Mark 1.00 out of 1.00

With the Internet offering so called best-effort service, ATM's ABR might best be characterized as being a slightly-better-than-best-effort service.

Select one:

○ True

○ False

The correct answer is 'True'.

Question **3**

Complete

Mark 1.00 out of 1.00

The NAT-enabled router does not look like a router to the outside world. Instead the NAT router behaves to the outside world as a single device with a single IP address.

Select one:

○ True

○ False

The correct answer is 'True'.

Question **4**

Complete

Mark 1.00 out of 1.00

Whereas the LS algorithm is an algorithm using global information, the distance vector (DV) algorithm is iterative, asynchronous, and distributed.

Select one:

○ True

○ False

The correct answer is 'True'.

Question 5

Complete

Mark 0.00 out of 1.00

Fragments need to be reassembled before they reach the transport layer at the destination.

Select one:
- ○ True
- ⦿ False

The correct answer is 'True'.

Question 6

Complete

Mark 1.00 out of 1.00

These forwarding functions are sometimes collectively referred to as the router forwarding plane.

Select one:
- ⦿ True
- ○ False

The correct answer is 'True'.

Question 7

Complete

Mark 1.00 out of 1.00

Before CIDR was adopted, the network portions of an IP address were constrained to be 8, 16, or 24 bits in length, an addressing scheme known as classful addressing, since subnets with 8-, 16-, and 24-bit subnet addresses were known as class A, B, and C networks, respectively.

Select one:
- ⦿ True
- ○ False

The correct answer is 'True'.

Question 8

Complete

Mark 1.00 out of 1.00

The distance vector routing algorithm we present below is known as Dijkstra's algorithm, named after its inventor.

Select one:
- ○ True
- ⦿ False

The correct answer is 'False'.

Question 9

Complete

Mark 1.00 out of 1.00

In dynamic routing algorithms, routes change very slowly over time, often as a result of human intervention (for example, a human manually editing a router's forwarding table).

Select one:
- ○ True
- ⦿ False

The correct answer is 'False'.

Question **10**

Complete

Mark 0.00 out of
1.00

A DHCP server receiving a DHCP discover message responds to the client with a DHCP offer message that is broadcast to all nodes on the subnet, again using the IP broadcast address of 255.255.255.0.

Select one:

○ True

○ False

The correct answer is 'False'.

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