



Started on Wednesday, 2 October 2024, 7:28 AM

State Finished

Completed on Wednesday, 2 October 2024, 7:30 AM

Time taken 2 mins 24 secs

Grade 9.00 out of 10.00 (90%)

Question 1

Correct

Mark 1.00 out of 1.00

IP is a best effort system; there are no IP-layer acknowledgments or retransmissions.

Select one:

- True ✓
 False

Question 2

Incorrect

Mark 0.00 out of 1.00

If a given IPv4 destination address matches the first k bits of one of the host's addresses (w.x.y.z/k), the destination is on the local LAN.

Select one:

- True ✗
 False

Question 3

Correct

Mark 1.00 out of 1.00

An IPv6 address has 2 times the number of bits compared to IPv4.



Select one:

- True
 False ✓

Question 4

Correct

Mark 1.00 out of 1.00



If an IPv4 address has all 1-bits for the host bits, it is of type:

Select one:

- a. broadcast ✓
- b. invalid
- c. unallocated
- d. multicast

Your answer is correct.

Question 5

Correct

Mark 1.00 out of 1.00

The IPv6 fixed header is twice the size of the IPv4 header, so it amounts to:

Select one:

- a. 32 bytes
- b. 60 bytes
- c. 50 bytes
- d. 40 bytes ✓

Your answer is correct.

Question 6

Correct

Mark 1.00 out of 1.00

IPv6 routers periodically send Router Advertisement (RA) packets to the IPv6 broadcast address.

Select one:

- True
- False ✓

Question 7

Correct

Mark 1.00 out of 1.00



One thing DNS makes possible is changing a website's IP address while leaving the fully qualified domain name (FQDN) alone.

Select one:

- True ✓
- False

Question 8

Correct

Mark 1.00 out of 1.00

IPv6's extension headers must be processed in order.

Select one:

- True ✓
- False

Question 9

Correct

Mark 1.00 out of 1.00

An essential feature of IPv4 (and IPv6) addresses is that they can be divided into 2 parts:

Select one:

- a. global part and local part
- b. public part and private part
- c. network part and host part ✓
- d. fixed part and variable part

Your answer is correct.

Question 10

Correct

Mark 1.00 out of 1.00



In the IPv6 fixed header, the IPv4 header Time To Live (TTL) field has become the:

Select one:

- a. Hop Limit ✓
- b. Flow Label
- c. Traffic Class
- d. None of the above

Your answer is correct.