



**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.