



Time left 0:26:04

Question 1

Not yet answered

Marked out of 1.00

What is the size of IPv6 addresses?

Select one:

- ☐ a. 256 bits
- ☐ b. 96 bits
- ☐ c. 32 bits
- ☒ d. 128 bits
- ☐ e. 64 bits

[Clear my choice](#)**Question 2**

Not yet answered

Marked out of 1.00

What is the primary reason for the development of IPv6?

Select one:

- ☐ a. security
- ☐ b. header format specification
- ☒ c. expanded addressing capabilities
- ☐ d. addressing simplifications

[Clear my choice](#)**Question 3**

Not yet answered

Marked 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

Not yet answered

Marked out of 1.00



The Split Horizon fix to the slow-convergence problem prevents all linear routing loops.

Select one:

- ☐ True
- ☒ False

Question 5

Not yet answered

Marked out of 1.00

What is the primary reason for the eventual retirement of IPv4?

Select one:

- ☐ a. security
- ☐ b. header format specification
- ☒ c. limited addressing capabilities
- ☐ d. addressing simplifications
- ☐ e. performance issues

[Clear my choice](#)

Question 6

Not yet answered

Marked out of 1.00

The size of the UDP port field is:

Select one:

- ☐ a. 8 bits
- ☒ b. 16 bits
- ☐ c. 32 bits
- ☐ d. 48 bits
- ☐ e. 64 bits

[Clear my choice](#)

Question 7

Not yet answered

Marked out of 1.00



What version of IP is the most common in the world?

Select one:

- ☐ a. [IPv3](#)
- ☐ b. [IPng](#)
- ☐ c. [IPv5](#)
- ☐ d. [IPv6](#)
- ☒ e. [IPv4](#)

[Clear my choice](#)

Question 8

Not yet answered

Marked 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](#)

[Clear my choice](#)

Question 9

Not yet answered

Marked out of 1.00

Which information is found in the UDP header?

Select one:

- ☐ a. [Sequencing](#)
- ☐ b. [Flow Control](#)
- ☐ c. [Acknowledgement](#)
- ☐ d. [Urgent data flag](#)
- ☒ e. [Source and Destination Port](#)

[Clear my choice](#)

Question 10

Not yet answered

Marked out of 1.00

The Routing Information Protocol (RIP) is an intra-domain routing protocol based on _____ routing

Select one:

- ☒ a. distance vector
- ☐ b. link state
- ☐ c. path vector
- ☐ d. OSPF
- ☐ e. path state

[Clear my choice](#)

Question 11

Not yet answered

Marked out of 1.00

Which statement describes the purpose of a default route?

Select one:

- ☐ a. to identify the Layer 2 address of an end device on the local network.
- ☐ b. to forward data to the local switch as the next hop to all destinations.
- ☐ c. to transfer data to another host on the same network segment.
- ☒ d. to transfer data to a host outside the local network when no other route to the destination exists.
- ☐ e. to send packets whose destination address is unknown

[Clear my choice](#)

Question 12

Not yet answered

Marked out of 1.00

The checksum field in the IPv4 packet header is the "Internet checksum" applied to:

Select one:

- ☐ a. the header and the payload
- ☒ b. the header only
- ☐ c. the packet payload
- ☐ d. the header with the TTL excluded

[Clear my choice](#)

Question 13

Not yet answered

Marked out of 1.00



What OSI layer identifies the communicating applications?

Select one:

- ☐ a. Layer 1
- ☐ b. Layer 2
- ☐ c. Layer 3
- ☐ d. Layer 4
- ☒ e. Layer 5

[Clear my choice](#)

Question 14

Not yet answered

Marked out of 1.00

Which is an important characteristic of UDP?

Select one:

- ☐ a. acknowledgement of data delivery
- ☒ b. minimal delays in data delivery
- ☐ c. high reliability of data delivery
- ☐ d. same order data delivery
- ☐ e. flow control

[Clear my choice](#)

Question 15

Not yet answered

Marked out of 1.00

To avoid stop-and-wait becoming a performance bottleneck, TFTP has an option to allow small window size sliding windows operation.

Select one:

- ☒ True
- ☐ False

Question 16

Not yet answered

Marked out of 1.00



Which one of the following IPv4 addresses can be used as a valid host IP address?

Select one:

- ☐ a. 10.0.0.0/24
- ☐ b. 224.0.0.80
- ☒ c. 10.0.0.80/24
- ☐ d. 10.0.0.255/24

[Clear my choice](#)

Question 17

Not yet answered

Marked out of 1.00

Which application made the greatest use of early Remote Procedure Call?

Select one:

- ☒ a. Network File System
- ☐ b. Windows Internet Explorer
- ☐ c. File Transfer Protocol
- ☐ d. Email

[Clear my choice](#)

Question 18

Not yet answered

Marked out of 1.00

What enables an Internet site to appear to the outside world as a single IP network, but further IP-layer routing to be supported inside the site?

Select one:

- ☐ a. IPv6 only
- ☐ b. source routing
- ☒ c. subnets
- ☐ d. Classless Inter-Domain Routing

[Clear my choice](#)

Question 19

Not yet answered

Marked out of 1.00



The IPv4 Time-to-Live (TTL) header field is incremented by 1 at each router; if it reaches 10, the packet is discarded.

Select one:

- ☐ True
- ☒ False

Question 20

Not yet answered

Marked out of 1.00

In Sliding Windows, the sender is allowed to send up to this many packets (starting with the next packet after the last acknowledged packet):

Select one:

- ☐ a. half of the window size
- ☐ b. window size minus 1
- ☒ c. window size
- ☐ d. window size plus 1

[Clear my choice](#)