

[Dashboard](#) / [My courses](#) / [ITEC414](#) / [Quiz](#) / [Midsem](#)**Started on** Monday, 19 May 2025, 12:29 PM**State** Finished**Completed on** Monday, 19 May 2025, 12:46 PM**Time taken** 16 mins 21 secs**Grade** 38.00 out of 40.00 (95%)**Question 1**

Correct

Mark 1.00 out of 1.00

The Simple Mail Transport Protocol (SMTP) application uses the UDP transport protocol.

Select one:

☐ True☒ False ✓

The correct answer is 'False'.

Question 2

Correct

Mark 1.00 out of 1.00

This IPv4 address, 192.0.2.33, in IPv6 is ✓

The correct answer is: ::ffff:192.0.2.33

Question 3

Correct

Mark 2.00 out of 2.00

DHCP stands for

Answer: ✓

The correct answer is: dynamic host control protocol

Question 4

Correct

Mark 1.00 out of 1.00

When a network host connects to a network, it assigns itself an IP address then tells the router what it is.

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question 5

Correct

Mark 1.00 out of 1.00

Switches forward frames to hosts based on their IP address.

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question 6

Correct

Mark 1.00 out of 1.00

When the Transport layer receives a message from a remote host, how does it know which application process to deliver it to?

- ☒ a. Port Numbers ✓
- ☐ b. It randomly picks one
- ☐ c. MAC addresses
- ☐ d. IP addresses

The correct answer is: Port Numbers

Question 7

Correct

Mark 1.00 out of 1.00

When a network host connects to a network, it assigns itself an IP address then tells the router what it is.

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question 8

Correct

Mark 1.00 out of 1.00

The new IPv6 can support up to ____ unique devices.

- ☐ a. 2^{64}
- ☒ b. 2^{128} ✓
- ☐ c. 2^{256}
- ☐ d. 2^{32}

The correct answer is:

2^{128}

Question 9

Correct

Mark 1.00 out of 1.00

A client always needs to be running and listening for requests from servers.

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question 10

Correct

Mark 1.00 out of 1.00

Routers assign MAC addresses to hosts on a local network.

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question 11

Correct

Mark 1.00 out of 1.00

Only two types of Internet sockets exists.

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question 12

Correct

Mark 5.00 out of 5.00

Match the following on the left with the right.

IP routing	Network Layer	✓
TCP,UDP	Transport Layer	✓
WiFi	Network Access Layer	✓
ftp	Application Layer	✓
Hardware	Physical Layer	✓

The correct answer is: IP routing → Network Layer, TCP,UDP → Transport Layer, WiFi → Network Access Layer, ftp → Application Layer, Hardware → Physical Layer

Question 13

Correct

Mark 1.00 out of 1.00

A client always needs to be running and listening for requests from servers.

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question 14

Correct

Mark 1.00 out of 1.00

What application transfers web pages?

- ☐ a. LMNOP
- ☐ b. SMTP
- ☒ c. HTTP ✓
- ☐ d. DHCP

The correct answer is: HTTP

Question 15

Correct

Mark 1.00 out of 1.00

Routers assign MAC addresses to hosts on a local network.

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question 16

Correct

Mark 1.00 out of 1.00

A client always needs to be running and listening for requests from servers.

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question 17

Correct

Mark 1.00 out of 1.00

Switches forward packets to hosts based on their IP address.

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question 18

Correct

Mark 1.00 out of 1.00

The Simple Mail Transport Protocol (SMTP) application uses the UDP transport protocol.

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question 19

Correct

Mark 1.00 out of 1.00

In IPv6 notation, 2001:0db8:c9d2:0012:0000:0000:0000:0051 can be reduced to

- ☐ a. 2001:0db8:c9d2:0012:51
- ☐ b. 2001:0db8:c9d2:0012:00:51
- ☐ c. 2001:0db8:c9d2:0012::0051
- ☒ d. 2001:0db8:c9d2:0012::51



The correct answer is: 2001:0db8:c9d2:0012::51

Question 20

Incorrect

Mark 0.00 out of 1.00

The Transport Layer differentiates between packets of different applications by the use of

Answer: by thier



The correct answer is: ports

Question 21

Correct

Mark 1.00 out of 1.00

When a network host connects to a network, it assigns itself an IP address then tells the router what it is.

Select one:

- ☐ True
- ☒ False

The correct answer is 'False'.

Question 22

Correct

Mark 1.00 out of 1.00

What application enables bi-directional text communication via a terminal application?

- ☒ a. Telnet
- ☐ b. DHCP
- ☐ c. SNMP
- ☐ d. Fishnet



The correct answer is: Telnet

Question 23

Correct

Mark 1.00 out of 1.00

When a network host connects to a network, it assigns itself an IP address then tells the router what it is.

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question 24

Correct

Mark 1.00 out of 1.00

Only two types of sockets exists.

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question 25

Correct

Mark 1.00 out of 1.00

The Simple Mail Transport Protocol (SMTP) application uses the UDP transport protocol.

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question 26

Correct

Mark 1.00 out of 1.00

Routers assign MAC addresses to hosts on a local network.

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question 27

Correct

Mark 1.00 out of 1.00

What application translates website names to IP addresses?

- ☐ a. TLA
- ☐ b. SNTP
- ☒ c. DNS
- ☐ d. NBNS



The correct answer is: DNS

Question 28

Correct

Mark 1.00 out of 1.00

Switches forward packets to hosts based on their IP address.

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question 29

Correct

Mark 1.00 out of 1.00

Why did IPv4 addresses ran out quickly?

- ☐ a. None of the world's big technology organizations were part of the initial process.
- ☐ b. Not many internet-capable devices were invented to take advantage of the Internet.
- ☒ c. None mentioned ✓
- ☐ d. Not enough education about the Internet was done at the time

The correct answer is: None mentioned

Question 30

Correct

Mark 1.00 out of 1.00

Switches forward frames to hosts based on their IP address.

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question 31

Correct

Mark 1.00 out of 1.00

Routers assign MAC addresses to hosts on a local network.

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question 32

Incorrect

Mark 0.00 out of 1.00

Which of the following is the odd one out in terms of sockets programming?

- ☐ a. telnet
- ☒ b. dhcpd
- ☐ c. streaming audio
- ☐ d. video conferencing

✗

The correct answer is: telnet

Question 33

Correct

Mark 1.00 out of 1.00

The Simple Mail Transport Protocol (SMTP) application uses the UDP transport protocol.

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question 34

Correct

Mark 1.00 out of 1.00

Which of the following is **not** part of the Layerd Network Model?

- ☐ a. Application Layer
- ☐ b. Session Layer
- ☐ c. Physical Layer
- ☒ d. Ethernet Layer



The correct answer is: Ethernet Layer


Question 35

Correct

Mark 1.00 out of 1.00

A client always needs to be running and listening for requests from servers.

Select one:

- ☐ True
- ☒ False 

The correct answer is 'False'.

[◀ Lecture 4](#)[Lecture 6 ▶](#)

[Data retention summary.](#)