Practice Quiz: The Application Layer

Question 1:

Unlike our five-layer model, the OSI network model adds two more layers on top of the Application Layer. Select examples of these new layers below.

The presentation layer

The compression layer

The session layer

The interconnection layer

The presentation layer might handle things like compression or encryption.

The session layer handles the delivery of data from the transport layer to applications themselves.

Question 2:

An example of something that operates at the application layer is:

A web browser

TCP

A router

UDP

Web browsers and servers operate at the application layer.

Question 3:

What's the standard number for a TTL field?

8

16

32

64

While this value can be set to anything from 0 to 255, 64 is the recommended standard.

Question 4:

Which part of the operating system does the application use to communicate the need to establish a TCP connection?

ARP message

The source port

Networking stack

The router

The networking stack is the part of the operating system responsible for handling networking functions.

Question 5:

Which section of the TCP/IP Five-Layer Network Model contains the data the application wants to send?

The header of the Ethernet frame

The payload of the TCP segment

The payload section of the Ethernet frame

The payload section of the IP Datagram

The payload of the TCP segments has a generic data section that contains the data that is sent.