Started on	Wednesday, 11 September 2024, 4:19 PM
State	Finished
Completed on	Wednesday, 11 September 2024, 4:22 PM
Time taken	2 mins 54 secs
Grade	**10.00** out of 10.00 (**100**%)

Question **1**

Correct

Mark 1.00 out of 1.00

In the context of data networking, a protocol is a formal set of rules and conventions that governs how computers exchange information over a network medium. A protocol implements the functions of one or more of the OSI layers.

Select one:

◉ True ✔

○ False

Question **2**

Correct

Mark 1.00 out of 1.00

Wi-Fi MAC (physical) addresses have the same 48-bit size as Ethernets and the same internal structure.

Select one:

◉ True ✔

○ False

Question **3**

Correct

Mark 1.00 out of 1.00

The documents that contain all the formal Internet protocol standards are referred to as:

Select one:

○ a. IEEE 802 Standards

◉ b. Request For Comments (RFCs) ✔

○ c. OSI Specifications

○ d. ISO Standards

Your answer is correct.

Question 4

Correct

Mark 1.00 out of 1.00

The Wi-Fi 5 GHz band (vs. 2.4 GHz) has increased ability to penetrate walls, often resulting in a higher effective range.

Select one:

○ True

◉ False ✔

Question 5

Correct

Mark 1.00 out of 1.00

What is the fundamental alternative to datagram stateless forwarding?

Select one:

○ a.   Packet switching

○ b.   Routing

○ c.   Flooding

◉ d.   Virtual circuits ✔

Your answer is correct.

Question 6

Correct

Mark 1.00 out of 1.00

How is an Ethernet card (or network interface) assigned a unique MAC address?

Select one:

○ a.   By the computer vendor

○ b.   By the network administrator

◉ c.   By the Ethernet card manufacturer ✔

○ d.   By the computer Operating System

Your answer is correct.

Question 7

Correct

Mark 1.00 out of 1.00

A store-and-forward switch or router begins forwarding a packet before it has fully arrived.

Select one:

○ True

◉ False ✔

Question 8

Correct

Mark 1.00 out of 1.00

Which of the following is not a key element of a protocol

Select one:

○ a. Syntax

◉ b. Entities ✔

○ c. Semantics

○ d. Timing

Question 9

Correct

Mark 1.00 out of 1.00

A virtual private network, or VPN, supports creation of virtual links that join far-flung nodes via:

Select one:

○ a. Leased data circuits only

◉ b. The Internet ✔

○ c. Asynchronous Transfer Mode virtual circuits only

○ d. A Wi-Fi network

Your answer is correct.

Question 10

Correct

Mark 1.00 out of 1.00

The terms "throughput" and "data rate" are considered to mean the same thing.

Select one:

○ True

◉ False ✔