

Introduction to Computer Networking

The TCP/IP Five-Layer Network Model

The Basics of Networking Devices

The Physical Layer

The Data Link Layer

Graded Assessments

✔ Reading: Module 1 Glossary

10 min

✔ Reading: Graded Plugin

10 min

✔ Quiz: Layers in Networking Models

1 question

✔ Quiz: Networking Basics

12 questions

🎉 Congratulations! You passed!

Grade received 91.66%

Latest Submission Grade 93.33%

Quiz • 1h 20m

To pass 80% or higher

Go to next item

📄 Submit your assignment

1 / 1 point

Resume assignment

Due May 21, 11:59 PM +08

Attempts 3 every 24 hours

✔ Correct

91.66%

View Feedback

We keep your highest score

1. What does TCP stand for?

1 / 1 point

👍 Like

👎 Dislike

📄 Report an issue

☐ Translational Carrier Pathway

☐ Topical Carrier Protocol

☒ Transmission Protocol

☐ Timing Control Protocol

✔ Correct

2. Select the right order of the TCP/IP Five-layer network model.

1 / 1 point

☐ Physical Layer > Application Layer > Data link Layer > Network Layer > Transport Layer

☒ Physical Layer > Data Link Layer > Network Layer > Transport Layer > Application Layer.

☐ Physical Layer > Network Layer > Data link Layer > Transport Layer > Application Layer

☐ Physical Layer > Data link Layer > Transport Layer > Network Layer > Application Layer

✔ Correct

3. Which layer in the Transmission Control Protocol/Internet Protocol (TCP/IP) model does IP use?

0 / 1 point

☐ Network

☒ Data Link

☐ Physical

☐ Transport

✘ Incorrect

Please review the video on the [five layer model](#).

4. True or false: Fiber cables use pulses of light to represent the ones and zeros of data.

1 / 1 point

☒ True

☐ False

✔ Correct

5. You have installed a device at the physical layer. All of the systems you connect to this device will talk to each other at the same time. What have you installed?

1 / 1 point

☐ Client

☐ Server

☐ Router

☒ Hub

✔ Correct

6. Which protocol do routers use to determine the optimal path to forward traffic?

1 / 1 point

☒ Border Gateway Protocol (BGP)

☐ Transmission Control Protocol (TCP)

☐ Internet Protocol (IP)

☐ User Datagram Protocol (UDP)

✔ Correct

7. True or false: Most devices are purely a server or a client.

0 / 1 point

☒ True

☐ False

✘ Incorrect

Review the video on [routing](#).

8. A Local Area Network (LAN) uses Category 6 cabling. An issue with a connection results in a network link degradation and only one device can communicate at a time, but information can still go in either direction. What is the connection operating at?

1 / 1 point

☐ Full Duplex

☐ Simplex

☒ Half Duplex

☐ Partial

✔ Correct

9. Which of these devices contains many network ports, but does no other work than being a container for cable endpoints?

1 / 1 point

☐ Router

☐ Hub

☐ Switch

☒ Patch Panel

✔ Correct

10. Which layer abstracts away the need for any other layers to care about what hardware is in use?

1 / 1 point

☒ Data Link

☐ Transport

☐ Physical

☐ Network

✔ Correct

11. What does the letter B represent in a Media Access Control (MAC) address?

1 / 1 point

☐ 15

☒ 11

☐ 9

☐ 10

✔ Correct

12. Where in an ethernet frame will you find a Virtual Local Area Network (VLAN) header?

1 / 1 point

☐ Payload

☐ Frame Check Sequence

☐ Preamble

☒ Before the EtherType field

✔ Correct

?