

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 91.66%

To pass 80% or higher

Retake the assignment in 23h 49m

Go to next item

📅 Submit your assignment

Due May 21, 11:59 PM +08

Attempts 3 every 24 hours

Retake the quiz in 23h 49m

Your grade

91.66%

View Feedback

We keep your highest score

1. True or false: Security assignments ensure that data is reliably delivered.

☒ True

☐ False

✔ Correct

👍 Receive grade

To Pass 80% or higher

1 / 1 point

Try again

2. Which of the following is the fifth layer of the TCP/IP Five-layer network model.

👍 Like

👎 Dislike

📄 Report an issue

☐ Data Link

☒ Application

☐ Transport

☐ Physical

✔ Correct

1 / 1 point

3. Which layer of the network model includes specifications for cables and connectors and how signals are sent over these connections?

☒ Physical

☐ Data link

☐ Network

☐ Transport

✔ Correct

1 / 1 point

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

☒ True

☐ False

✔ Correct

1 / 1 point

5. What is a network with only a single device at each end of the link called?

☒ A point to point connection

☐ A switching hub

☐ A twisted pair network

☐ A collision domain

✔ Correct

1 / 1 point

6. Which device forwards data and operates at layer three of the Transmission Control Protocol/Internet Protocol (TCP/IP) model?

☐ Hub

☐ Switch

☒ Router

☐ Client

✔ Correct

1 / 1 point

7. Which of the following is something that requests data from a server?

☐ Client

☐ Switch

☐ Hub

☒ Router

✘ Incorrect

Review the video on [servers and clients](#).

0 / 1 point

8. Which type of communication does a telephone use?

☐ Half Duplex

☐ Twisted

☒ Full duplex

☐ Simplex

✔ Correct

1 / 1 point

9. Fill in the blank: There will almost always be some troubleshooting data available through ____.

☒ Port lights

☐ Wire lights

☐ Action LEDs

☐ Stop LEDs

✔ Correct

1 / 1 point

10. What is used to determine when the communications channels are clear and when a device is free to transmit data?

☒ Carrier Sense Multiple Access with Collision Detection (CSMA/CD)

☐ Ethernet

☐ Transmission Control Protocol (TCP)

☐ Internet Protocol (IP)

✔ Correct

1 / 1 point

11. Fill in the blank: MAC address stands for ____ address

☐ Message Authentication Check

☐ Maximum Allowable Cost

☐ Memory Access Controller

☒ Media Access Control

✔ Correct

1 / 1 point

12. What immediately follows the Start Frame Delimiter in an ethernet frame?

☒ Destination Media Access Control (MAC) address

☐ EtherType field

☐ Frame Check Sequence

☐ Payload

✔ Correct

1 / 1 point

?