



Started on Wednesday, 25 September 2024, 4:55 PM

State Finished

Completed on Wednesday, 25 September 2024, 4:57 PM

Time taken 1 min 48 secs

Grade 8.00 out of 10.00 (80%)

Question 1

Correct

Mark 1.00 out of 1.00

The use of _____ lets the base station receive CDMA messages from unsynchronized mobile phones.

Select one:

- a. large antennas
- b. expensive digital filter components
- c. sophisticated software algorithms
- d. pseudorandom sequences ✓

Your answer is correct.

Question 2

Correct

Mark 1.00 out of 1.00

All else being equal, the data rate achievable with a radio signal is proportional to:

Select one:

- a. the signal power
- b. the distance to the receiver
- c. the width of the frequency band ✓
- d. the number of sub-channels

Your answer is correct.

Question 3

Correct

Mark 1.00 out of 1.00



Ethernet-like collision detection is no longer feasible over radio communications: _____

Select one:

- True ✓
- False

Question 4

Correct

Mark 1.00 out of 1.00

The telephone system is tightly intertwined with (wide area) computer networks. The limiting factor for networking purposes turns out to be: _____

Select one:

- a. the trunk network bandwidth _____
- b. the government regulations
- c. "the last mile" over which telephone customers connect ✓
- d. the high cost of leasing phone lines

Your answer is correct.

Question 5

Correct

Mark 1.00 out of 1.00

Bluetooth is a low-power network; for many applications the working range is about: _____

Select one:

- a. 10 m ✓
- b. 50 m
- c. 1 m
- d. 100 m

Your answer is correct.

Question 6

Correct

Mark 1.00 out of 1.00



Wi-Fi Link-Layer ACKs contain the following information:

Select one:

- a. A timestamp
- b. A sequence number
- c. The number of bytes which are being acknowledged
- d. None ✓

Your answer is correct.

Question 7

Correct

Mark 1.00 out of 1.00



The preferred Wi-Fi encryption standard is Wired-Equivalent Privacy, or WEP.

Select one:

- True
- False ✓

Question 8

Incorrect

Mark 0.00 out of 1.00



For the Internet Checksum, the value 0000 in the checksum represents:

Select one:

- a. Data corruption
- b. No data in the packet
- c. No checksum calculated
- d. No error detected ✗

Your answer is incorrect.

Question 9

Incorrect

Mark 0.00 out of 1.00



Bandwidth delay is more significant than propagation delay within a small LAN.

Select one:

- True
- False

Question 10

Correct

Mark 1.00 out of 1.00



If Wi-Fi error rates or collision rates are high, a sender can send a large packet as multiple fragments, each receiving its own link-layer ACK.

Select one:

- True
- False