

Quiz 2

- Due No due date
- Points 15
- Questions 15
- Available Feb 26 at 8:05pm - Feb 26 at 8:21pm 16 minutes
- Time Limit None

This quiz was locked Feb 26 at 8:21pm.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	3 minutes	15 out of 15

Score for this quiz: 15 out of 15

Submitted Feb 26 at 8:07pm

This attempt took 3 minutes.



Question 1

1 / 1 pts

FHSS allows for transmission across:

Correct!

- ☒ Broadband frequencies
- ☐ Narrowband frequencies
- ☐ Fixed frequency bands
- ☐ Non-overlapping frequency bands



Question 2

1 / 1 pts

How many frequencies are used in the 2.4 GHz ISM band with a spacing of 1 MHz?

Correct!

- ☒ 79 frequencies
- ☐ 64 frequencies
- ☐ 128 frequencies
- ☐ 256 frequencies



Question 3

1 / 1 pts

Spread spectrum uses a noise-like signal structure to spread the information signal.

Correct!

- ☒ True
- ☐ False



Question 4

1 / 1 pts

What is the purpose of spread spectrum?

Correct!

- ☒ To spread the information signal over a wideband of frequencies
- ☐ To narrow the bandwidth of the information signal
- ☐ To increase the signal-to-noise ratio
- ☐ To reduce interference from other signals



Question 5

1 / 1 pts

What is the primary mechanism used in polling to transfer data between a controller and nodes?

Correct!

- ☒ Token passing
- ☐ Reservation bits
- ☐ Centralized routing
- ☐ Distributed algorithm



Question 6

1 / 1 pts

Why is it important to ensure the robustness of the header in wireless communication?

Correct!

- ☒ To mitigate the effects of interference and fading
- ☐ To reduce the complexity of the receiver's decoding process
- ☐ To minimize latency in packet delivery
- ☐ To maintain high data rates throughout the transmission



Question 7

1 / 1 pts

What is the primary purpose of error detection in wireless communication?

Correct!

- ☒ To discard corrupted packets
- ☐ To recover lost packets
- ☐ To retransmit the packets
- ☐ To encrypt the packets for secure transmission



Question 8

1 / 1 pts

What is the purpose of framing in a communication system?

Correct!

- ☒ To encapsulate a packet into a bit stream
- ☐ To encrypt the packet data for secure transmission
- ☐ To route the packet to its destination
- ☐ To compress the packet for efficient storage



Question 9

1 / 1 pts

Error recovery is more important in wireless communication compared to wired communication.

Correct!

- ☒ True
- ☐ False



Question 10

1 / 1 pts

What is the purpose of the trailer in a wired packet?

Correct!

- ☒ To perform error detection using techniques like CRC
- ☐ To encrypt the packet data for secure transmission
- ☐ To provide additional padding for the packet data
- ☐ To indicate the end of the packet transmission



Question 11

1 / 1 pts

The data in a wired packet usually corresponds to an IP packet.

Correct!

- ☒ True
- ☐ False



Question 12

1 / 1 pts

What information is typically included in the header of a wired packet?

Correct!

- ☒ All of the above
- ☐ Source and destination IP addresses
- ☐ Type field indicating the protocol being used
- ☐ Length of the packet data



Question 13

1 / 1 pts

Which type of devices introduced people to "mobile networking" in the early days?

Correct!

- ☒ Car phones
- ☐ Laptops
- ☐ Smartwatches
- ☐ Tablets



Question 14

1 / 1 pts

What information is contained in the header of RTS and CTS packets?

Correct!

- ☒ Duration ID indicating the duration of the entire transmission
- ☐ Source and destination addresses
- ☐ Sequence number for packet ordering
- ☐ Error detection codes



Question 15

1 / 1 pts

Wireless datalink protocols share similarities with which type of networks?

Correct!

- ☒ Wired networks
- ☐ Optical networks
- ☐ Satellite networks
- ☐ Cellular networks

Quiz Score: 15 out of 15