Kahoot!

IoT #4

1 play · 11 players

🔄 A public kahoot

Questions (10)

1 - Quiz

The transmit power of WiFi is roughly:

20 sec

🔺	10-20 dBm	✔️
🔷	-20-0 dBm	❌
🟡	20-30 dBm	❌

2 - Quiz

Being closer to a transmitter doesn't necessarily mean having better reception, mostly because of ...

20 sec

🔺	CSMA	❌
🔷	fading and shadowing	✔️
🟡	radio sensitivity	❌

3 - Quiz

Why do collisions waste energy?

20 sec

🔺	due to heat loss	❌
🔷	due to hearing loss	❌
🟡	due to the need for retransmissions	✔️

4 - Quiz

Which form of CSMA-CA is the most aggressive?

20 sec

🔺 1-persistent ✓

🔷 p-persistent ✗

🟡 non-persistent ✗

5 - Quiz

If at least 2 packets arrive at the receiver at the same time, we'll have...

20 sec

🔺 fading ✗

🔷 a handover ✗

🟡 shadowing ✗

🟩 a collision ✓

6 - Quiz

Deliberately spreading a signal's energy over a much wider frequency range than its bandwidth is called...

20 sec

🔺 multipath routing ✗

🔷 multipath fading ✗

🟡 spread spectrum ✓

🟩 eavesdropping ✗

7 - Quiz

Rapidly switching your carrier frequency according to a pseudosequence known to both RX and TX is called...

20 sec

▲	spread spectrum	✗
◆	frequency hopping	✓
●	static fading	✗
■	medium access control	✗

8 - Quiz

LoRa gives you...

20 sec

▲	long range, high rate	✗
◆	short range, high rate	✗
●	long range, low rate	✓
■	short range, low rate	✗

9 - Quiz

p-persistent CSMA vs Aloha

20 sec

▲	p-persistent CSMA always wins	✓
◆	Aloha always wins	✗
●	It depends on the value of p	✗

10 - Quiz

Control overhead doesn't cause...

20 sec

🔺	energy waste	✗
🔷	extra latency	✗
🟡	direct sequence spread spectrum	✓