Computer Networths, Assignment - 2

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Scenario: An aurport terminal provides aures interperence prom many devices causes access interperence promises access acces access access access access access access access access access a

Questions: - How can CSHA/CA and RTS/CTS
machanisms resolve Contention?

Contention in suiveless networks by using a two-step process: first, a node intending to transmit sends a Request to Send (RTS) frame to the receiver, and then the receive responds with a clear to Send (CTS) frame. This reservation process prevents other nodes from transmitting simultaneously, trus reducing the Crances of Collisions.

Dolo!

2. Why is collision avoidance more suitable than Collision detection here?

Cathition Callision audidance is generally more

Suitable tran Collision reduction because it aims

to prevent accidents autogethes while collision

reduction focuses on minimizing the severity of

impacts after a collision has already become

unavoidable. Avoiding accidents is inherently safer

than miligating the consequences of one:

why Avoidance is properred

- -) Prosture Approach
- Comprehensive Protection
- -> Reduced Severety
- -> Long-Term Sapety