Carnier Sense Mulliple Acces (CSMA) Unlike Aloho, in CSMN. The station listens to the medicam beforce it stavets rectransmitting. Vulnerable Time = Tp. Where Ip is the propagation delay for a frame to reachtherend of the medican. I persistent Method: Stations sense the medium every instant If medium is found to be idle, Adtions transmit. Highest collision chance. Non-persistent method Stations do not check the mediam at energy instant.
If medium is found idle, immediate treansmission If medium is found busy, stations wait reandom. amount of time before I sensing again. Reduces the chance of collision, but efficiency is diministed. P- Persistent In this scheme, even if the line is five, transmission happens with only prob P & with I-P, prob, station.

waits for the Onend slot. If medium is found busy back- off procedure is employed.

CSMA/CD (collision Detection) Hene once a station senses collision it abouts CSMA/CD imposes a limit on a minimizam size of a from. The frame size should be slach that before the frame is transmitted. collision should be detected. station C c detects collision . stants transmitting. signal Por delection of collision. ATTATT P ttTfry tt 2Tp => Tfr > 2Tp