Access method protocols: polling, select

transmission media speed in a network: fibre optic, twisted pair and coaxial speed comparison

OSI reference model: functions of each layer.

Network hardware requirements

sublayer of the data link layer: Media Access control Layer and functions

Functionalities of TCP/IP layers

CSMA/CD and back-off algorithm with a neat diagram.

Classify the access method protocols of the data link layer.

CSMA/CA access method protocol for wireless LANs.

three persistence methods of the CSMA protocol and working of Back off Algorithm.

connection oriented and connection less services

key functionalities of MAC layer

sliding window protocols : Go back n, selcective reject/repeat

preamble in Ethernet Frame Format

Controlled Access Protocols

Ethernet Frame Format

Repeater – Physical Layer

Hub –Physical Layer

Bridge-Data link layer

switch -Data link layer

Router – Network Layer

Transport gateway

Application Gateway