UNIT-1: Topics:
Network hardware & Software Network hardware & Software OSI Reference model TCP/IP Reference model OSPANIET The bound
• OSI Reference model
• TCP/IP Kelerinae model
• ARTANET , UNIONS
· Gruided Transmission media:
twisted pairs PART-2
Coaxial cable
fibre optics
Wirelen hansmission.

Network Hardware The basic Hardware Component in a Network media to transfer data from one -> Network cables: Network cables are the fransmission device to another + howers 1 Rowler is a connecting device which transfers Data packets between différent Computer Networks. > Repealers A repealer receives signal and regenerales it before re-transmitting so
that it can travel longer
> Hubs: A Hub is a multi-port repealer
> Roil of a multi-port repealer > Bridge: A Bridge connects two seperate Ethernet network

> Gateways: A gateway connects entirely different networks that work upon completely different protocols.

Network Software comprises a broad range of software used for deign, implementation, operation and monitoring of Computer Networks.	
implementation, operation and monitoring of Computer Networks. OCT - OCT stands for Open Standard Interconnection OSI Reference Model	-
The OSI model does not specify the Communication LT Application layer Suppose Suppose the Suppose Sup	Ł
in formation between system. LE Seasion layer LE Transport layer	
The 7 layer are 1 Application layer Shehvork layer Support Session layer Physical layer Physical layer 12 Data link layer Layers 12 Physical layer 12 Physical layer 15 Physical layer 16 Physical layer 16 Physical layer 16 Physical layer 17 Physical layer 18 Physic	•

