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

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 implementation, operation and monitoring of Computer Network	are used for derign,
implementation, operation and monitoring of Computer Network  OSI; OSI stands for Open Standard Interconnection	OSI Réfaince Model
The OSI model does not specify to perform networking tooks	L7 Application layer Support
It defines point of interconnection for the exchange of information between system.  It has I interconnected layers  Network layers	
The 7 layer are 1 Application layer  Presentation layer  Session layer  Transport layer  Transport layer	L2 Data link layer Support  Layers  L1 Physical layer