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DEPARTMENT OF ELECTRONICS

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1	Roll No. : Batch :	
xperiment No.		
tle of Experim	ent: computer network components.	
		REMARKS
	(antigates) aspect togasades	
•	Am: study of computer network compo	nents : rables,
	connectoes Routees, switches, Etheene	
	and related interfacing cards.	
11 1	10 100 milestran teles	
199 110	HETWOEK: A COMPUTER NETWORK IS A GROUP	23-stugmon 70
,	linked to each other that enables the	computee to
	communicate with another computer and	share their
	Eesoueces, data and applications.	
	NETWORK devices: - OF VETWORKING HORDWOR	e are physical
. to 19	devices that are required to communica	tion and
	interaction between hardware on a comp	outee network.
1.	network cobles !-	
	pifferent types of network robbes, are	used depending
	on the network physical layer, topology	and size
	These are networking hardware used.	to connect
	one network device to another network	devices.
	optical fibre cable is used for long di	stances of
	toe applications equiping high bandwidth	pos etectrical
	isolation	

Eth 68 vet Rame format :-

64-1518 mby tego when 3 the price

Etheenet Header (14 bytes)

7 byte	2 byte	es obyte	3 6 by te	2 byte	46 to 150	4 byte
pasemble 33	The second secon	Destination Radeess H Lang todt 390 Ancitarings le	Soufee address	16 mg/h	9090	Feame check sequence (CRc)

isyla 990 980 when partenosted so I cook in asome bris nothernation refer 802-3 Ethernet Rame Format.

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Thresport types of network above and anythe transation asia kno prolegot sayor topicy asocutes at me towner of be a exempted private war years something and the south and the description and 30 months provided the back of sides saget butty

houseward to obtainly and guidepas continuely and

interaction between hardwate on a somputer network

help of Rowling Hable. A couter reads it's rowling table to deride the best available and speedy coute for the pocket delivery to destination, routers can be wired or wireless and there are many specalized types of foutes that serve specific functions. 194. Switches : " . (par ring batellan between swhiches are networking devices operating of inquers 2 08 d dota link layer of the osl model they connect devices in a network and use pocket switching to send, secence of toxward data pockets of data regimes over the network. A switches has many parts, to which computers are plugged in when a data reame arrives at any part of a network switches It examines the destination address, performs necessary checks and sends the reame to the rockes ponding devices (5). It supposts unicast, multicast as well as broadcast communication, s. ethernet: Ethernet is most commonly used technology be wired LAN. 24 is still in use because ethernet is able to update itself to meet the needs of the time. · FORM it's inventions, it has gove through the for four igeneations. It wanted when parameter 1. Std ethernet (10 mpps) 802,8 2. fast (100 maps) 3. Haigabit C I ABPS)

oifferent types of network cobjes are:
a mornal cake in a louining road gate the
· ruister pair cable. These are again divided into two types.
A) shielded -wisted pair (STP) cable each pair weapped with
an metal shield, then all pares are weapped in a single
outre plastic sheath.
B] unshielded ruisted pair (Upp). all pairs are weapped
in a single plastic sheath.
· Abie optic cable!! to said Mill Des Dec
TER BUR ASSOCIATION IN A PARTICION PROPERTY
connectors in and the connection of part the
A connectors l's qu'device that terminates a segment of
cabling of provides a point of entry for networking devices
such as computees, hubs, and reouters.
Following are the few types of connectors.
ij etheenet cable connectoe! Elise Lie Elise
2] coaxial cable connectos. 1700 1.2. Col animal
3 USB connector 10/11/1/11/11/11/11/11/11/11/11/11/11/11
4] Aber optic coble connector.
-1 +71137448 2
Routegrandent tessa plantanen toon al transatta
A Rower is a networking device that forwards data
pockers between computers hetwork . It is typically
connected to at least two LAN's and the Internet
service provider (75P). It serves two primary functions
managing teaffic between these network by forwading data
packets to their intended destination using IP address.
allowing multiple devices to use the same internet
connection. The pockets are derivered to end station using

4. 10 algabit (10 aBPS)

Basic Frame which is sequised for all mac implementation is defined in 2EEE 802,3 standards. Though several optical formats are being used to extend the protocol's basic capability, ethernet frame starts with paremble and SFD, both works at the physical layer. Ethernet header contains both source and destination mac address, after which the payarand of the frame is present the last field is crowhich is used to detect the reader had basic frame from the basic frame from the basic frame for basic frame for the frame

6. network Interface card:

retwork interface card (NIC) is a hardware connected component without which a computer cannot be connected over a network. It is a circuit board installed in a computer that provides a dedicated network connection to the computer It is also called network interface card controller, network adapter or LAN adapter.

NIE allows both wised and wiseless

nessessing and enoise communication, network (LAN).

nessesses the physical layer process and some dota link layer

the physical layer process and some dota link layer

the physical layer process and some dota link layer

	beolese cau enu ou it:
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	1. Internet network cords.
, 2	2. Ethernet network cords.
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7	MIC COURTE MEMORY COUNTRY DE DESCERSOS
Str 2	jumpers, Rowders, MAC address.
· .	to land sand the hours of the same of
	Result 12-
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196	The soil of the so
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