Hame: sakshi peuchand charhan Page No.	
Roll No: 32	
Division : A.	
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Practical Assignment that 6	
in in the complete themselves or of the site of the si	_
i) computer network - unhoduction	7 10
A computer network is a reallection of inter	-
connected device, such as computers, servers,	
rowers and switches, that communicates and	
share resource with each other sides	
Methoric can be wired on wineless, enabling	
extreme data exchange and collaboreation.	
access to compalised symmets:	
o Technology: : 920gru9	
computes Heteronic facilitate the showing of	
information, resources and services among connecte	X
deutice. They enable activities like the shoring,	
printing internet access, email communication and	
seal-time collaboration, leading to increased	
moductivity and exerciency : 9(10)8(10	
the principle of other and of city, bord in the	
2) Types of Hekoone 20.01 (1200) 401 (12)	
: 920 young (d	
Local Avea Hetron (LAN):	
a) scope: covers a small geographic area, such as	
a single building, office on home	
y purpose: primarity used for connecting devices	
with a limited area to share resources like	
tiles, printers and internet acress	
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	riging: sixterly Deuchand Charlan
	Je OM JOS
	H: No Pate /
	c) Technology: maple & A boots but .
	Typically amploys 8thornet cables or wi-ti
	connections is attituded in the contraction of the
- >0310X 0	
(-201)	2) wide Area Hermone (1944) 0) A
1000	a) scope: apans langor geographic areas often
0110	connecting multiple wars lass across cities,
J	counties ex continents a grand grands
paild	Jest se chaste contratte of bertoeth Jest and
	coully distant Tocartions and tacititates
	access to contalized reacusces.
	c) Technology:
10 pm	of this zes public or private networks, including
177-73/11100	leaved lines, tiber optics and satelite links.
pain	device they enable activities like tile tile tile
l ond	3) or changitan Area Heterra (MALL).
(Q)	sect time collaboration, teaching so miner
	a) scope: Proporties pur minimum
	cover a mehanolitein and a silve hard and
	gap between LANS and WANS.
	b) Pumose:
	offers high-speed connections for organiza-
sudi a	Thorn as hustimus shread awas a city
	c) Technology () 1220, problem alpine of
1951194	combiner elements of both the and with
: 00116 (technologies. It para between a within
	that housen and intended accent
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The state of the s	

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	3) Netroomi categories des possos (2)
	computer network can be categorized based
,	on different outenta such ay their o size, purpose.
	topology and ownership.
	201001010th succession (in
	i) Based on size:
10	(LAH) Cocal Area Hetamone (LAH)
1011	mob) metropolition med Hotoonk (mn H)
	d) mide Area Heteronc (KUAH) 1000+919
	2) Based on Pumpose: : upologos ento (
1,694531113	a) clienti-server, metcooms, moto o m
	peositio-peositionelloonellodies
1 .0014	between devices eccus through this central
94	Bessed on topology wildings in at
	a) star iteterone solvat to bomos
	b) BY Heteronic
	c) ring Hetoponice
	d) mesh Heteroom 1009/248)
	4) Bared on ownership and access:
	a) public Heteron
	b) private network
	c) Inhanel
	d) expanel revel
,	
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		-
	s) Based on technology: 0100 1000194 (0	_
borna	De a) mirod eletroome souten a funtas	_
-, 920 John	196) wireless of the moone of the 113 of the 113	-
	topology and aungrishp:	_
	4) NETWOOM TOPOLOGIES	_
	1 80,000 000 9126:	-
	It refers to the anangement or layout of	
	devices and their connection in a computer	
	Charles by carrier the teacher cran estimated	
	9) 9tax topology: : 9201009 10 60708 (5	
	In a star topology, all devices are connected	
	to a central hub or switch, communication	
	between devices occurs through this centred Hub.	
	the one connection peuts it only affects the	
	connected device proposed to the connected device	
	en Hotelone	
	System 2 11 page (5	
	1) week the cond (1 motshe)	
	central true faystem 3	
	MODERATE OF LINE (D.	
	(a meter of a meter)	
	13 th 401 (2 -	1
	1 system 5 1 x/4 (1)	_
		1/2
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	0) 2118 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Tale (195)	o) Bus ropology:
pally	along a single communication line (the isu).
(0)(10)	pata sent by one device is received by all devices
	on the Burrand the intended recipient processes
	the data.
	[system] Impleyed [system2]
	13/3/4 / 3/3/4
Heto	Hetwork Backbone
	Para Chiling / Separation / Sep
	[system 3] [system 4]
	State State A Luois Service
	3) Ring Topology:
	Devices are connected in a closed doop or ring.
	where data circulates in one direction. Each device
	meceives the date and towards it to the next-device
	lunt (1111 reaches the intended recipient
	a communication medium to send and acopi
Signel	SHOWERSHOW I SYSTEM I AS MONTHOURS
	191/1909
	[34stem 2]
	Dissam raing named to the
	[system 4] privant hosing (
	the harming the harming here
A STATE OF THE PARTY OF THE PAR	propertor are corpored and recurred in a c
	constituted channel, which can be implemented
110	the help of physiologically connected contra
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	guided media includes troisted pair oppical abor
b	microshiptine, coaxicul and shiptino cubio.
	on a computor texacona
101	ne) unguided media bo anin enintro
M	to the described or a wiseless hammission
	medium conthaut a physical diruc to the Meteoark's
(3)	node or sementation to a do bivor (s
	In comparision to guided media, electromagnetic
	signal coaver are less secure because they are
	transmitted in the air over a wide geographic area.
	It includes the radiovaves, microvaves and
31	printage operator of the points
6.5	the est medial. It can sead only me cuta
de	we two me odenice stands or both of
12:	nead the in address, as seads the outlier
361	or the data packer to tell coheac anti- to
	of reardware device that divide the network connection
2 "	among multiple devices.
	2) hubs create a single collision, domain, social
do	a) hubs operate in half-duplex mode
10	a) the me of hube is obsolete month on the
100	
NI	dimitatione equace being a som a som
	LEVERBLE OF SUPPLESS, 6 act of the a greener
	2) 21 solo singulardus
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1 12 15	2) Swifeh: Was to bould probate looking
1 Juda moa	1) hardware device that connects multiple devices
	on a computer Helebonc.
	2) contains more advanced realtures than Hub.
and this	2) contains more addition that decides whose
11011601	sontein the unauted earliest and political
CATOO	4) provide a direct connection between the source
ha la Du a in ha	4) provide à direct confidence de
भवनेता भ	sound destination, my of control topicon in.
91	5) support full-duplex oppieution
	resusmitted in the air our a wield geograp
ן מוגל	Bridge, seumonothine off televising 13
	A bridge operates at the date link layer of
	the osi model. It can read only the outmost
	handware address of the paulet but cannot
	nead the 10 address. It reads the our most section
	of the data hacket to tell where the mossage
conflection	roistgoing stivits and goldes expansions for
	among multiple douters
	4) Poutonios doisilos ejones eles o edud (
	pouter are small physical devices that operate
	at the network dayor to join multiple networks
7125	together Routers may also be used to connect
	1600 or more rodical dronks of combiner genices
	puonous as suproff, each outh a different
	anpuetrous aggress
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	वर्ष १९ Gate may 1:2 20 (1) मान (11) विकास मान (12)
P	A gatemay is an internetworking capable of
	joining together two networks that we different
	base motocols. 2004 parreis
	A network getteray can be implemented completely
	in software, handware or a combination of both,
	depending on the types of motocols they sunners.
	TRENDER IS howeing the 250 Meps intended
	and setting of Twitted pair capte and
	menoration using RJ-45 connectors
-	TATESTY OF TOTAL IT CALOU IT CALOU TO THE
	There are two types of twisted pour coble.
	Expendite confiner certice is another for the
	OTP (unshield teoisted part) of trading
	1) UTP cable hummit data wing electrical signals
	2) all pairs are oreigned in a ringle plantic sheath.
	3) UTP can rememit data at 10 mbps, 100 mbps,
	loool 110 1Gbpsoand 100bpsotzyz orth na
1	4) cables we the same PJ-45 modular connector.
	3) usp cables are the backbone of most othernot network
	2) STP (shielded two theo pain):
	A auch pois is correpped with an additioned
	metal shield.
	2) used in industrial networking, data control.
	3) USE- connectors since 125 us connector
-	
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	a) cont and complexity of stp cable may be
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cimplator .	
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·	housing the 250 MBPs internet
-	and will a pich it awaii (alble through both means
	an ellos anteciable as coel of the comments.
200)	Total committee if avoilable in the
V old	an uno all collaboration
210	an marial on ordina of the same
7	steelent for browsing the internet which remains
- North	and and twoled who except the heart of
1	0 20 HILL TO 8:30 HILL
(13)23/1/	monday to producy go and sunday go of AMI to 5:00 PM
1 100	An the systems in the comply on Local
y and	of capter use the sume PT- L'amountait is paration
(40)	Such capter are the packeton of most about
30001411 T	
Y	e) Sip Cehielded Homed Pais!
1 1-0	oracli here is reachibled method (
13014	6/40/2 /n +9/11
100	eved in includial networking, data con
	3) the connectors little but as connector
	OL SIVINDA