CX:02 Date: STUDY OF DIFFERENT TYPES OF NETWORK CABLES. 284125 AIM:-Study of different types of network earlies.

(a) conderstand different types of network carel Different type of cables used in networking are.

1. Unrhielded Twisted Pair (UTP) Cabel 2. Shielded Twisted Pari (STP) cabel. 3. Coaxial cabal 4. Fubre optro cable ADV / MAX DATA CABLE TYPE APP/USE LATEGORY DISAD TRANSMISSION Advat: 10 Base - T Crategory 3 to bas · theaper in Ethernet. cost. · Easy to Forst Ethernet, up to wo install as ·Category 5 gigabit Maps they have a UTP Ethernet. ismaller dia Disadvat: Fast Ethernet 161 bps. Category 5e · More prone gigabit to EUI. Ethernet and noise STP Category6,6a Adv Gigabit Ethornet LOGBPS · shidded 106 Ethernet · Fastorthan widely used un data Disad: untres · Expensive greater gigabit Excernet (100) lategory 7. SSTP installation effort. Ethernet. (mow)

			Adv:
			· High bandwith speed of signal is
	RG-6		· Trumine to 500 M.
CABLE	RG-59	RG-59 RG-11	Interference delevision
	RG - 11		. Low loss network. H
			handwidth High speed
	\$ 2		· Versalite : cirternet connection
			Dikadvantages:
			· Limited distance
	r		distance
			· Cost
1			· Size is bulky.
	99 8		Advantages:- High speed. Maximum
41BRE OPTICS	Single	100 Glbps.	
CABLE .	node		II compared to
	Multi-	1000 50	
	3	are representative and the second	
			Disadvantages.
			· Expensive
2			· Requies skilled
	A		installers
RESULT:			A A
Hence 1	the studi	young of a	eifferent types of network

Hence the studying of different types of network cabolis is studied ruce enfully.

STUDENT OBSERVATION:-What is the siff blu cross lable and steaight cable? Cross cable connects similar devices while straight eable connects diff 2) Which type of cable is used to assured two pe? Cross cable is used to connect & PCs a woute/ switch to your PC? It raight cable is used to connect a router or switch to a PC *) Find out the eategory of twisted pain cable used in your lab to connect the pc to the network socket. The commonly used eategory is category is category is category is category.

E) Write down your understanding, challings, faced and output received while restring a twisted pair eable (cross/straight).

Straight eables link different devices, while work ables connect risidar ones. challenges: Proper wise alignment and vinging were tricky.

Output: Successfully made a functional eable after testing.