Aim :

To Study of different types of Network Cables

a) understand different types of restaurk cable.

Different types of cables used in networking

- 1. Unshielded Tousded pair (UTP) Colle
- 2. Shield Tooisted Pair (STP) Cabe
- 3. Cavail cable

4.	Fibre Option	- cable		a to
Cable type	Cotegory	Movement Dota Toonsmission	Advantages/ Discolvantages	Application/
VTP	categorys	lobps	Advantages:	10 Bose-T Elburnat
	Contegorys	up to loo	as they have a	fast Ethinnet
diguzeti on	Cottegoryse	lorleps	Smalles overall diarroles. Disadvantages: M More prone to	Charact Charact
most sext	and prom	cuta, cour	(EMI) electromagnetic interviereme and noise	Grégorit Ethernes
Carlegory 6,60	lo Gilges	Advortages a Shield	Grigorit Athernal	
The same of the sa	700 Jan	Les susphile to noise and interference	unidely used its	Passe

ST	TP .	Category 6,6a	100-16рз	Advantages Thierdal. Therefore than UTP. Those Susuplible to noise and interference	Grigabit Ethernet, 10 Gr Ethernet 155m) Widely used in Joeta antres
Service	TP CONTRACTOR	Collegory 7		Disadvantages. M Empension M Greentex Installation ettort	Crigaloit ethosat, 1000 Ethernet (100m)
	prog 7 Pable	RG1-6 RG1-59 RG1-11	10-100 Mbps	Advantages M High bardwidts M Immene to interference A Low loss board width M Versutile Disadvantages * Limital distance * Cast * Size is bulky	Speed of Signal is Soom television rotexosk High speed internet connections
0	ibre ptics cable	Single Mode Multimade	100h / 1	Advantages * High speed * High speed * High seconds * Long distant Discourants * Expension * Require Skilled instal	i 100 metres

6) Make your own Ethernet Cross-over Cable / Straight Cable

Tools and Parts Needed:

- but cars cabbing works as well, just over shorter
- * A crimping tool. This is an all in one rectalosking tool shaped to push down the pas in the plug and strip and cut the Shielding off the caller. a two RJ45 Plugs
 - * Optional two plug shields.

Ditterence between crassover cable and

Result:

Thous the Study of different nework has been successfully executed.

- What is the difference between Crass cable and Straight cable?

 Straight though cables are used to correllevious that operate at different layers of the network model where as cross-ones cables are utilised to link devices operating and sume layers
- 2. Which type of cable is used to connect two PC? (Straight I cross cable)

Ethernet crossoner cable

13. Which type cable is used to correct a rocker/switch

Straight - through cable

4. Find out the category of twisted pair cable used in your to to correct the PC to retwork sold.

RS-45 (UTP)

5. Write down your understanding/ challenges food and output received abile making a taisted pair trace/

The Cripping machine should be perfect to cut the cable.