Aim: study of different types of Network cables

a) understand different types if network cables.

Different type of cables used in networking cooleane.

- 1. Un shielded Twited Pair (UTP) Cable.
- 2. Shielded Tristed Pair (STP) cable
- 3. Coaxial cable
- 4. Fibre optic cable.

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	parial	R61-6	10-100MbPS	• High bardwidth • Ammune to interference • Low Loss brandwidth	
7		Ray II	contest to	· Versatile · Disadvantages · Limited distance	internet connections
0	ibre phics	single mode multi mode	toop per	Advantages  • High speed  • High bandwidth  • High security	· raceimum distance lif dibre optics carbo is around 100 meter
人	toce	challonge	Handiva.	Disadiantages  • Expensive  • Pequines Skilled  installans	· Cot se

Student Observation: works and borros: pribrot rebru.

1. What is the difference between cross cable and stright cable?

ostraight cable; The wiring order is the same on both ends c used for connecting different types of devices.

ecross cable: the fransmit, and necline wines are swapped on the end Cuser for connecting similar devices)

- 2. which type of cable is used to connect two pc?

  Costrologht/cross cable)
- cross cable C for direct conrection without a switch/red
- 3. Which type cable is used to connect too a router/ Switch to your pe? Cestright /cross cable)
  - · cable for connecting router/switch to Pers strightcall
  - 4. Find out the category of twisted pair cable wed in your NABL to connect the PC to the retwork socket.

Category of twofed pair cable in LAN

pagdiarlage

e Expensive

- · Catse
  - · catb
- 5. Write down your understanding, challenges faced and output received while making a trusted pair crossy stright cable
- · understanding: correct pin configuration is crucial
- · Challenges: Maintain wine order, proper crimping, avoiding cable damage.

damage.

output: successfully connected devices with stable network

connection.

Result: Thus study of dufferent types of Metwork caldy are executed.

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