DATE: 28.08.10)

## AIM: Study of different types of Network cables

Understand different types of network cable Different types of cables used en 147. 340. 187. 14) 1 (ELLIP - 241)

valvorking one:

1) Unduilded twisted Paix Cable

2) Shielded twisted paix cable!

3) Coastal cable.

| h      | ) Libre            | Optic cable                     | the oil structures                             | 22.00                |
|--------|--------------------|---------------------------------|--|----------------------|
|        |                    | Haximum<br>data<br>transmission |  | Application 1        |
| Type   | THE REAL PROPERTY. |                                 | Advantages:                                    | 10 Base-T            |
|        | Zatego g           | 10 bps                          | 1) Cheaper in                                  | ethernet             |
| UTP    | Colegory           | up to 100 Mbps                  | 2) Easy to Pristall as they have a             |                      |
|        | The second second  | 1 Stops                         | smaller oresall                                | gigabit ethernet     |
|        | 51                 | TEXAS TEXAS                     | disadvantages:                                 | fast ethernet        |
|        |                    |                                 | 1) More paone to                               | gigabit              |
| 10 Hz  | 7 951              | with walnu                      | EMI & noise                                    | ethernet             |
| STP    | (ategory)          | 10 Glops                        | Advantages:                                    | gigabit ethenet, 109 |
|        | ba                 |                                 | 1) shielded<br>2) faiter than UT               | o themet (3)         |
| SSTP U | aligory7           | to Glops                        | 3) les susceptible                             | 1300                 |
|        |                    | hartessa part                   | disadvaulages: 1) Expensive 2) heater installe | gigabit              |
| 1 8 33 | Austo              | it shek                         | 2) Creater Pretalle                            | don whether          |

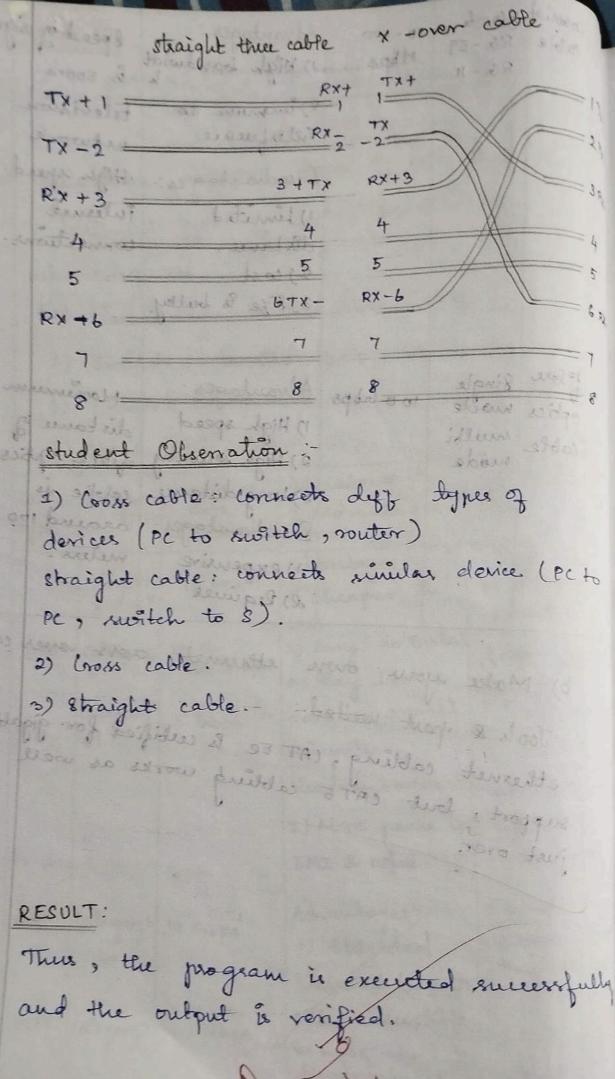
| -  | coosial  | Ru-6           | 10-100       | Advantages        | speed of signal |
|--|----------|----------------|--------------|-------------------|-----------------|
| 1  | cable    | RG-59          | Mbps         | 1) High bondwidt  | is soon         |
| 1  |          | RG-11          | 100          | 2) immune to      | television      |
|  |          |                | XF -1        | 2) immune to      | network         |
| -  |          |                | 2574         | Disadrantages:    | High speed      |
| -  |          | No.            |              | 1) Limited        | Tuternet        |
| -  |          |                |              | du tance.         | connections.    |
| 20   |          |                |              | 2) cost           |                 |
|  |          |                | 4-88         | 3) size is bulky. | A 40 W St       |
|  |          |                |              |                   |                 |
|  | 19 love  | gingle<br>mode | 100 Gbps     | Advantages:       | Hasimum         |
|  | optics   | mode           | 100 - 1      | 1) High speed     | distance of     |
| September 1  | cable    | multi          |              | 2) High security  | fibre optics    |
| The state of the s |          | o significant  | deb.         | 3) long distance  | calole is       |
| The second second  | (        |                | ( notion)    | Disadraulages:    | around 100      |
| 101  | elevies. |                | 1) expensive | nutus.            |                 |
| -  | 23.7     | letter !       |              | 2) Regimes        | despised:       |

b) Make your own ethernet was over cable Jook & part needed:

theret cabling, LAT 5e & certified for gigabit ethernet cabling, LAT 5e & certified for gigabit support, but CAT 5 cabling works as well just over.

This is the program is excepted successfully

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Jul 19/20