**Lab Practical #03:**

Study of different types of network cables & connectors and crimping a LAN.

**Practical Assignment #03:**

1. List various networks cable. Also, write short description.
2. Difference between guided and unguided media.
3. Give cross-wired cable and straight through cable diagram (Color Code wise).

## List various networks cable and connectors. Also, write short description.

1. **Network Cable Name:** 
   * **Description**:
   * **Diagram**:
2. …
3. …
4. **Difference between guided and unguided media.**

|  |  |  |
| --- | --- | --- |
| **No.** | **Guided Media** | **Unguided Media** |
| **1** | The guided media is also called wired communication or bounded transmission media. | The unguided media is also called wireless communication or unbounded transmission media |
| **2** | The signal energy propagates through wires in guided media. | The signal energy propagates through the air in unguided media. |
| **3** | Used to perform point-to-point communication. | Unguided media is generally suited for radio broadcasting in all direction. |
| **4** | It is affordable. | It is costly. |
| **5** | Discrete network topologies are formed by the guided media. | Signals are in the form of electromagnetic waves in unguided media. |
| **6** | For a shorter distance, this is the best option. | For longer distance, this method is used. |
| **7** | It is unable to pass through walls. | It can pass through walls. |

## Give cross-wired cable and straight through cable diagram (Color Code wise).

1. Cross-wired Cable Diagram (Color Code)

**----- Image / Diagram Only -----**

1. Straight Through Cable Diagram (Color Code)

**----- Image / Diagram Only -----**