**TASK # 01**

**1: Where do we use End Devices and why?**

**ANS:** End Devices are used to perform specific tasks such as providing input end or processing data. These devices are connected to the network to enable access to resource such as server printers or the internet.

**2:** **Where do we use Intermediate Devices and why?**

**ANS:** It is used for directly connected to end devices or provide end user network to other user network.

**3: Name atleast 3 Example of Each Devices?**

**ANS**: **Example of End Devices:**

PC, LAPTOP, Server- PCT etc.

**Example of Intermediate Devices:**

Router, Switches, Hub etc.

**4: Why we use Cross Cable?**

**ANS:** Cross Cable is used to connect two devices of the same type together.

**5: Why we use Straight Cable?**

**ANS:** Straight Cable is used to connection b/w different types of devices. Also use for connection b/w different networking equipment.

**6: Why we use Remote Access?**

**ANS:** Remote Access is a convenient efficient way to access data resources or system from any where any time.

**7: Which type of Cable is used for Remote Access?**

**ANS**: Teamviewer.

**TASK # 03:**

**1: Why and Where we used Ethernet Cables?**

**ANS:** Ethernet Cable has been standard in networking installation for years. It is the fastest way of connecting PCs, together to your router or a central Switches.

**2: Cross and Straight Cable are derived from Ethernet Cable? (True/False). ANS:** True.

**3: What is the Difference Between UTP and STP Cables?**

**ANS:** Shielded Twisted Pair Cable (STP) has the individual pair of wires wrapped in fail, which are then wrapped twisted pair cable (UTP) has each pair of wires twisted together. These wires are then wrapped in tubing without any other protection.

**4: Why Each pairs inside the cable is twisted together?**

**ANS:** The STP and UTP are twisted together inside the cable to reduce electromagnetic interference (EMI) and crosstalk. When data is transmitted through a cable, it Generate electromagnetic waves that can interfere with other nearby cables or devices.

**5: What is meant by “Cat” in cat5 cable? What is the different between cat5 and cat6 cable?**

**ANS:** Cat in cat5 refers to Category. it is a reference to the performance standard of the cable.

If you have a high speed requirement and need to transfer large amount of data a cat6 cable would be better choice as it offer faster speed and more Bandwidth. However if you have a smaller network with less data traffic needs a cat5 cable would work just fine.

**6: What is the purpose of Crimping Tools?**

**ANS:** Crimping Tool is a varied collection of devices used to join materials and component by pressing them together and creating a seal of crimp.one of the most common uses of crimping tool is the attachment of connector to the end of electrical cables.

**7: What is the purpose of Stripping Tools?**

**ANS:** A wire striper is a hand tool design to remove the protective covering or jacket from electric wires stripper help the electrical expose the wire far new uses of repairs.

**8: What is the purpose of Tester in Cable making?**

**ANS:** A table tester can identify if the wires are paired correctly it can shoe there is a break in the insulation a situation which crosstalk b/w two wires that should not be connected.

**9: What is meant RJ-45 connector?**

**ANS:** The eight pairs of RJ-45connector is a standard interference which after connect a computer to a local area network (Lan).

**10: Where we used Cross Cable and Straight Cable?**

**ANS:** Cross Cable is used to connect two devices of the same type together.

Straight Cable is used to connection b/w different types of devices. Also use for connection b/w different networking equipment.