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RollNo#: **19SW42**

Subject: CN(Pr)



1. What is the difference between cross over cable and straight cable?

Ans. A straight-through cable is a type of twisted pair cable that is used in **LANs** to connect two different network devices where as an Ethernet crossover cable is a type of Ethernet cable used to connect two same network devices.

1. How many pins does an RJ-45 modular plug have?

Ans. An RJ-45 modular plug has 8 pins. Pins 1 & 2 (green) and pins 3 & 6 (orange), pins 4 & 5 (blue) and pins 7 & 8 (brown).

1. Which type of connection should a straight-through cable is used for?

* Switch to Switch : **Not Used**
* Switch to Hub. : **Used**
* Switch to Router. **Used**
* Hub to Hub. **Not Used**
* Router to PC  **Used**
* A straight-through cable is used to connect two different network devices.

1. What type of cable would be used to make the connection between the console port of a router and a workstation?

Ans. The cable that would be used to make the connection between the console port of a router and a workstation is a special type of **Serial Cable** called **Rollover cable**. It is often used to conduct troubleshooting and maintenance tasks. Hence, it’s attached to console port of a network switch or Router.