**الاسم:**

**الشعبة:**

**Q1/ Full in the blanks:**

1. The term **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**which includes telephony, telegraphy, and television, means communication at a distance.
2. In **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** both stations can transmit and receive simultaneously.
3. In **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** the entire capacity of the link is reserved for transmission between those two devices.
4. A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a central network device that connects network nodes Such as workstation and servers in a star topology.
5. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** can operate at any level of the [OSI model](https://www.lifewire.com/layers-of-the-osi-model-illustrated-818017).

**Q2/ What are the main characteristics that data communications system depends on to be affective? (List and Explain).**