**Q1: Write five examples of each of following Transmission Mode?**

**Examples of Simplex Communication:**

* radio broadcasting
* computer to printer communication
* key board to computer connection
* wireless microphone
* garage door openers

**Examples of Half duplex communication:**

* intercom
* string phone
* walkie talkie
* citizen band
* family radio

**Examples of Full duplex communication:**

* Fire alarm system
* telephone
* cable tv
* internet
* Analog transmission

**Q2:**

1. **Which topology do you think will be feasible in such case? Explain with proper reasoning.**

**Ans:** I think full mesh topology used in this case because all computers nodes are directly connected with each other.

1. **If Mesh topology followed, then how many numbers of links and ports are required?**

**Links that required:**

n(n-1)/2

13(13-1)/2

=78 links

**Ports that required:**

(n-1)

(13-1)

=12 ports

1. **To which category does the given network belong to?**

The network belongs to LAN (local area network).

1. **Which node of communication is suitable when a computer communicates to a printer for printing? Also give one more example of that mode.**

Simplex mode of communication is suitable when a computer communicates to a printer for printing.

Another example of simplex mode:

Radio broadcasting.