|  |  |
| --- | --- |
| **Calculation** | **No. of links** |
| Formula= n(n-1)/2  Nodes = n = 8  = 8(8-1)/2  = 8(7)/2  =56/2  = 28 | 28 |

Q.1

Sol:

Q.2

Sol:

|  |  |
| --- | --- |
| **Case** | **Transmission Mode** |
| Monitoring through Surveillance Camera | Simplex |
| Talking through Walkie-talkie | Half duplex |
| Phone call through smart Cell phone | Full duplex |
| Watching a broadcast Television | Simplex |
| Real time high speed Audio-Video Conferencing | Full duplex |