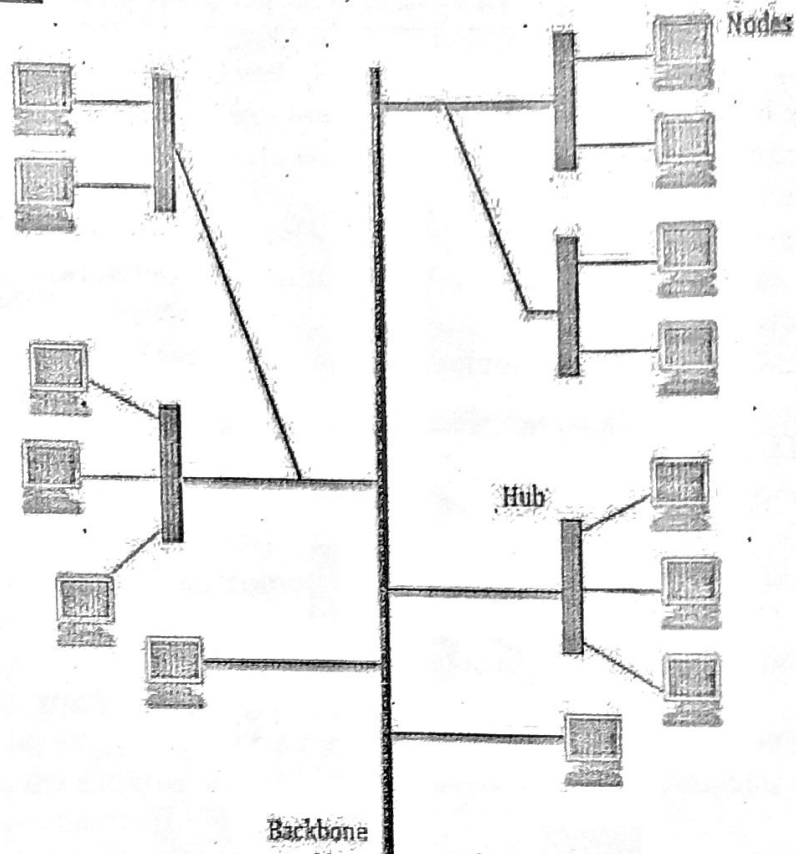## 4 Tree topology

- A network set up in which the features of both bus topology & star topology are present is called tree topology
- Tree topology consists of star configured machines connected to a common backbone cable(bus). In this, each computer is connected to a hub, hubs are connected to a common backbone cable(bus).
- This is a "hybrid" topology that combines characteristics of linear bus and star topologies. In a tree network, groups of star-configured networks are connected to a linear bus backbone cable
- **Advantages**: if one hub fails, then it does not affect the working of other hubs in the network & easy to extend
- **Disadvantages**: if the backbone cable /bus fails, then entire network will break down, delay in data transmission, requires more cabling & more expensive