**Practical – 8**

**Aim: -** Study and demonstration of sub netting of IP Address

**What is Subnetting?**

When a bigger network is divided into smaller networks, to maintain security, then that is known as Subnetting. So, maintenance is easier for smaller networks. For example, if we consider a class A address, the possible number of hosts is 224 for each network, it is obvious that it is difficult to maintain such a huge number of hosts, but it would be quite easier to maintain if we divide the network into small parts

Subnetting for a network should be done in such a way that it does not affect the network bits.