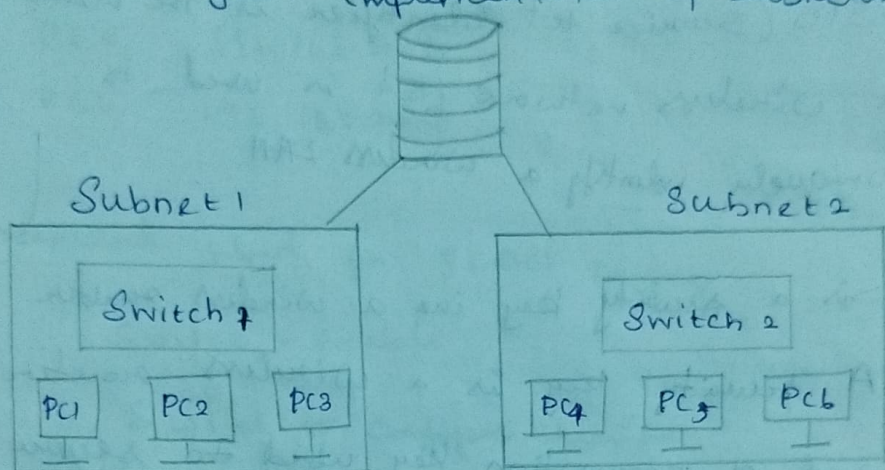Exp no: 9

Aim:

Implementation of subnetting in cisco packet tracer simulation.

a) Draw your implementation of subnetting

b) write down your understanding of subnetting.

Classless IP Subnetting is a technique that allows far more efficient use of IP address by allowing far subnet marks that are not just the default marks for each IP class. this means that we can divide own IP address space into smaller subnet. Which can be useful when we have limited no. of IP address but need to create multiple networks.

c) What is the advantages of implementation within networks

subnetting is useful when we have a limited number of IP address but need to create multiple networks. This also enhances security.

Result: Thus subnetting has been implemented in cisco packet tracer and o/p is verified