Aim:

Implementation of subnetting in CISCO packet Tracer simulator.

a) Draw your implementation of subnetting

Subnet 1

subnet 2

Switch1

switch2

Pc1   Pc2   Pc3

Pc4   Pc5   Pc6
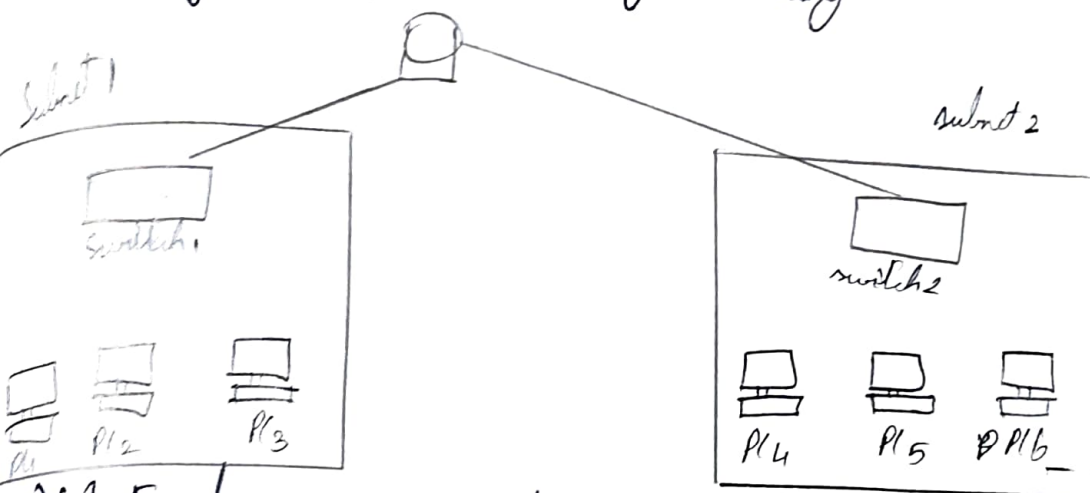
b) Write down your understanding of subnetting:

Classless IP subnetting is a Technique that allows for more efficient use of IP address by allocating subnet masks that are not just the default masks for each IP class. This make means that we can divide our IP address space into smaller subnet

() What is the advantage of implementation with a network?

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

Result:

Thus, subnetting has been implemented in CISCO packet tracer and o/p is verified.