EXD UD: 9 Date: 2/90/24

## Classfull Subnetting

Alm: Implementation of subnetting in asco packet traces simulator.

Procedure:

1) Create network using swetches, routers I PCs

2) The IP address will be as follows

-> Router RI GPgab9+Ethernet 0 0:192.168.1.1

Gligablitthernet 0/1: 192.168.2.1 -> Sweltch SI

NOIP THAN-1 -> PCO

> IP address: 192.168.1.11 Gateuray: 192-168.1.1

IP address: 192. 168-1.12 Oateway: 192-168.1.1

PC2 IP:192-168-1-13

Glateway: 192.162.1.1 PC3 IP: 192.168.1.14

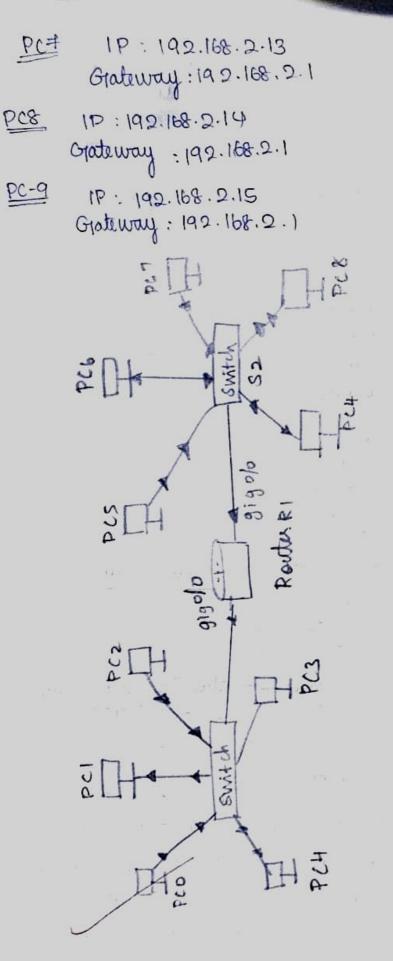
Opateway: 190.168.1.1

PCH IP: 192.168.1.15

Cratinay: 192. 168.1.1 > Swetch 82 -> No IP

TUN-5 PCS 1P: 192-168-2-11

Glateway:192.168.2.1



Assume sender is PCI & Receiver is PC 7 while simulating 4 observing & we get simulation panel

Smulation Fanel

Event List

Vis	teme	fastdevice
	0.000	1
	0.003	1.3
	0.005	
	0.008	d
	0.010	
	0.013	1-
	0.015	
	810.0	
	0.020	
	0.023	
Perel	Amulall	un o constant delay
- 4	controls	
0		[24]

FPRE last status source Dostination Type color, num O successful PCI PC9 ICMP 13 0.

## Student Observation

a) Where down your understanding of subnetting Subnetting grocus of alriding a forge IP n/w. Each act as Independent n/w 2 allow downers connected to communicate within subnet 4 confrol troffic both subnets

Ans: -> Effectent IP - based on anagement - based on sequerement

Reduce network congestion

botad cast traffec to Endevdual subneits

Donald .

Implementation of subnetting Pn cisco has be done successfully.