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Exp. 9 Pratical - 9
date: 8/10/24
                 classfull subnetting.
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Alm:
              TOURS OF THE STATE HERSON
  Implementation of subnetting in Cisco Packer
Simulator.
                      Secretary Strates
 Procedure:
 1) Create the network using switches, router,
2) The IP address will be as follows
   4 Router RI
    * Gigabit Ethernet 0/0:192,168.1.1
     * Gigable Ethernet 011: 192,168,2,1
   La switch &1
     * no IP
   Lan-1
      . Pcd
        1P address :192.168.1.11
         gateway: 192. 168. 7.1
            and lading many prime of thepre
       PCI
       1P: 192.168.1.12
       gateway: 192.168. 1.1
```

4 PC2 1P: 192, 168, 1, 13 gateway: 192, 168, 1, 1

```
4 PC3
  1p: 192,168,1.14
 gateway: 192.168.1.1
 4 pc 4
  1p: 192, 168.1.15
 gateway: 192.168.1.)
-> switch So
    * NO 1P
Is lan-a
   · PC 5
    1p: 192,168,2,1,1
  gateway: 192.168.2.1
    · pc 6
      1P: 192,168, 2,12
   gateway: 192,168.2,1
     . pc 7
       1P:192.168.2.13
     gateway: 192.168.2,1
     . Pc 8
        [P: 192, 168, 2, 14
     gateway: 192,168,2,1
```

· P C 9

1P: 192.168.2.15

gateway: 192.168.2.1

Output:

Now lets assume the sender is PG and

receiver is PCT

simulation panel.

Simulation Panel	x Citor
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n 15 d 10.

Student Observation:

a) Weite down your understanding of subnet

Ans:

Subnetting is the process of during a Large IP network and manageable section called subnets. Each subnet act as Independent network a allow devices connected to it to lommunicate within the subnet a control traffic btw. subnet.

b) Advantages of implementing subnetting within a network.

Airs:

1, Efficient IP management - based on requirem

Best Sincerality Illenseins

c) subnetting in your collège?

Result:

The Implementation of subnetting in Cisco has been done successfully.