

BGP- CC- Experiment

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Name: Rahul Goyal

RegNo: RA1911030010094

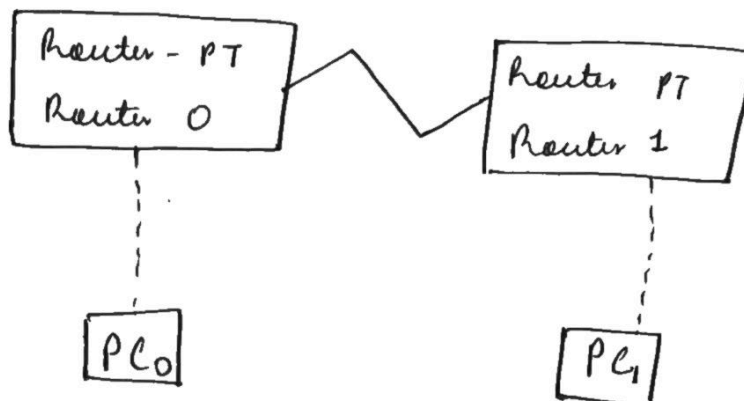
Batch: CSE-TP204-02

Ans:

To connect the two networks using border gateway protocol.

Procedure-

Q1 Connect the routers and the PC's as per the diagram given below.



Q2 Assign the IP address to the PCs as follow.

PC0

IP address: 192.168.1.2

Subnet mask: 255.255.255.0

Default gateway: 192.168.1.1

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PC₁

IP add : 192.168.0.2

Subnet mask: 255.255.255.0

Default gateway: 192.168.2.1

(iii) Go to router 0 → serial 0/2/0 & assign.

IP add : 192.168.2.2.

Subnet Mask: 255.255.255.0

(iv) Go to router 1 → serial 0/2/0 & assign.

IP add : 192.168.2.3

Subnet Mask: 255.255.255.0

(v) Go to router 0 → fastethernet 0/0 & assign

IP add: 192.168.1.1

Subnet Mask: 255.255.255.0

(vi) Go to router 1 → fastethernet 0/0 & assign

IP add : 192.168.3.1

Subnet Mask: 255.255.255.0.

(vii) Go to router 0 & enter the following CLI commands.

→ exit

→ router BGP 100

(2)

→ network 192.168.2.0

→ network 192.168.3.0

→ neighbor 192.168.1.2 remote-as 100

→ neighbor 192.168.2.2 remote-as 100

→ exit

(1X) Go to PC0 & then command prompt and enter.

* Ping 192.168.3.2.

