

b) Simulate RIP using CISCO packet tracer

(71)

Assign IP address to PCs

Double click PCs & click desktop menu itself & click IP configuration. Assign IP address referring the above table.

Assign IP addresses to interface of routers.

Router & enable

Router # configure terminal

Enter configuration commands, one list

Router (config) #

Do the same for Router 1 & Router 2

Use same commands to assign IP address on interface for router 2

Configure RIP routing protocol

Router 0

Router 0 (config) # router rip

Router 0 (config-router) # network 10.0.0.0

Router 1

Router 1 (config) # router rip

Router 1 (config-router) # network 192.168.1.255

Router 2

Router 2 (config) # router rip

Router 2 (config-router) # network 20.0.0.0

Router 1

DCP [S1/D 10.0.0.2] \Rightarrow Router [Fast Ethernet 0/1, - 10.0.0.1] \Rightarrow Router.

~~DATA 128~~

Result:

Hence the simulation of RIP using cisco packet tracer done successfully.

Device	Interface	IP Configuration	Connected width
PC0	Fast Ethernet	10.0.0.2/8	Router 0's Fast Ethernet
Router 0	Fa 0/1	10.0.0.1/8	PC0's Fast Ethernet
R1	So 1/0/0	192.168.1.125/30	Router 2's 50/0/1
R1	50/0/1	192.168.2.46/30	Router 1's 50/0/0
Router 2	so 1/0/0	192.168.1.128/5	Router 1's 80/0/1
R2	Fa 1/0/2	20.0.0.1/130	RC 1's Fast Ethernet
PC1	Fast Ethernet	20.0.0.2/130	R2's fa0