b) Simulate RIP using CISCO Packet Tracer.

Assign IP address to PCs.

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

Assign IP address 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 192.168.1.244

Router 2.

Router 2 (config) # router rip

Router 2 (config-router) # network 20.0.0

Router 1

PCP [S/D 10.0.0.2] (=) Router [Fast Ethernet 0/1 - 10.0.0.0.1] <=> Router 0

14/8/25

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 7901
Router 0	Fa 0/1	10.0.0.1/8	PC0's fa Ethern
R1	S0/0/0	192.168.1.254/30	Router 2 S0/0/1
R1	S0/0/1	192.168.1.246/30	Router 1 S0/0/0
Router 2	S0/0/0	192.168.1.245	Router 1 S0/0/1
R2	Fa 0/2	20.0.0.1/30	R2 is Fast Ether
PC1	Fast Ethernet	20.0.0.2/30	R2's fa