Simulate static Routing Configuration using CISCO packet Tracer and RIP.

Aim:-

To simulate the RIP using CISCO packet tracer.

Assign IP address to PC's :-

double click PC's and click desktop menu item and click IP config Assign IP address representing the above table.

Double click Router 0 and click CLI and press enter Key, to access the command prompt of Router 0.

router > enable

router # config terminal

enter config commands, one per line end with (NTL / Zw) return

router (config) # interface fastethernet 0/0 command is used to enter is interface mode.

IP address 10.0.0.1 (255.0.0.0) command will assign IP address to interface

no shutdown command to bring the interface up.

exit command is used to return
global configuration mode serial
interface needs too additional
parameters clock rate and
bandwidth

router > enable

router # configures terminal

enter configuration commands, one
per time end with (NTL/z

router (config)# interface serial 0/0

router (config-if)# ip address
192.168.1-250   255.255.255..252

router (config-if)# no shut down

router (config-if)# exit

router (config-if)# clock rate 64000
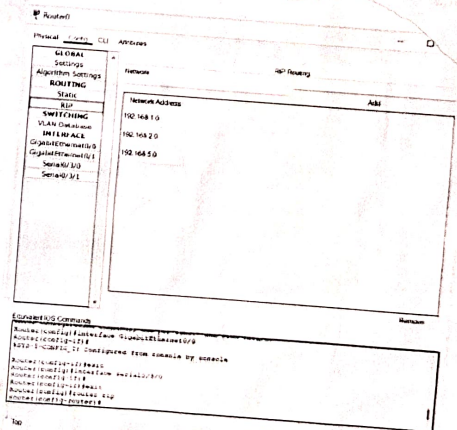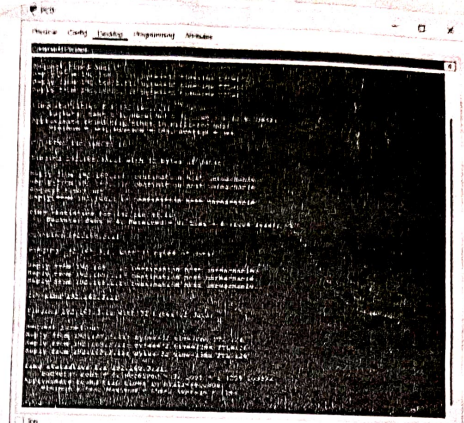
router (config-if)# band with 64
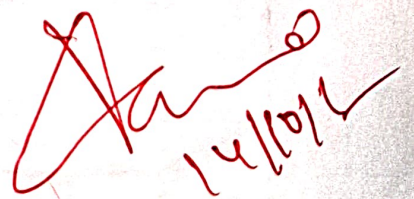
router (config-if)# no shutdown

router (config-if)# exit

By default RIP will use the route that
has low helps counts, between source and
destination. It out network route, has
low hops, counts, so it be selected.

We can use Tracer command to verify it

Result :

thus the above program is
executed successfully.