25/9/25

Practical -11(a)

AIM:

simulate static Routing Configuration using CISCO packet Tracer.

static routers are the router that you manually add to the other's routing table the process of adding a static routing to the routing table is known as static routing.

If we specify the routes for the same destination the router automatically selects the best route for the destination and adds the route to the routing table.

Creating, adding, verifying static routes.

Routers automatically learn their Connected networks that are not available on the routers interface

three routers are chosen to perform this activity with each router having its own local network interface seperated by IP edit.

Router 0 - 10, 20, 40 (.0.0.0/8)

Router 1 - 20, 30, 50 (.0.0.0/8)

Router 2 - 40, 50 (.0.0.0/8)

Verifying static Routing

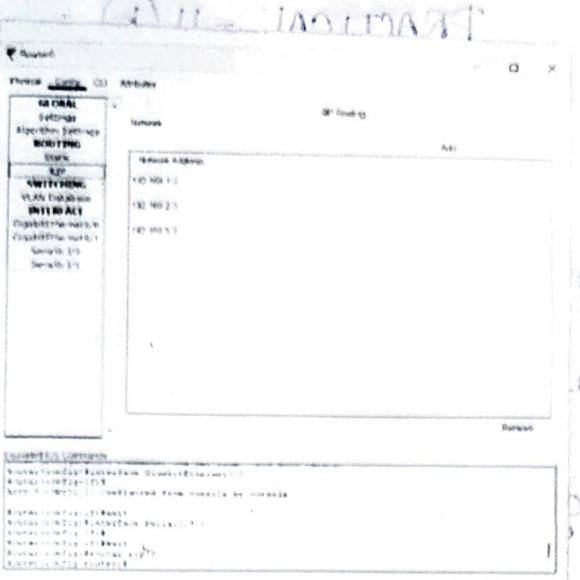
By listening the routing table entries on router 0 since a router uses the routing table to forward data packets.

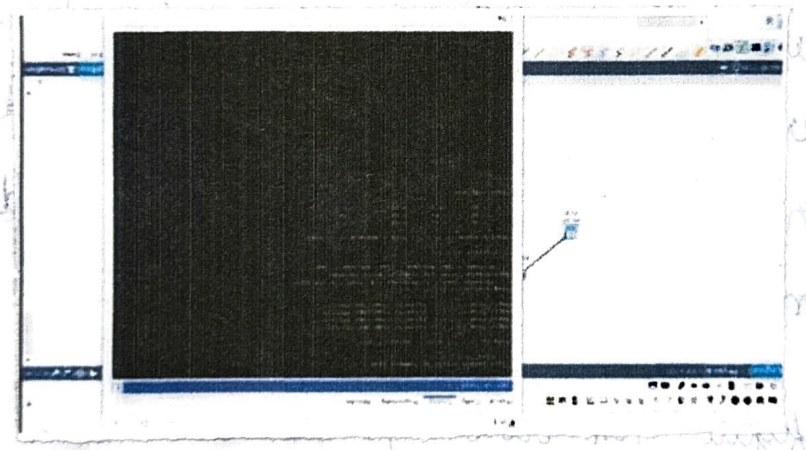
Deleting a static route

→ Use the 'show ip route static' Command.

→ Note down the router to delete

→ Use 'no ip route' Command to delete.





Result:

Hence Static Routing was simulated successfully.

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