Assignment B3

Aim – Configure RIP/OSPF/BGP using packet tracer

Objectives –
- To understand different dynamic routing protocols.
- To implement routing protocol in Cisco Packet Tracer.

Software and Hardware Requirements –
Windows 10, 8GB RAM, Cisco Packet Tracer, Monitor, Keyboard.

Theory –
- RIP is the simplest and one of the oldest distance vector routing protocol.
- It is very easy to setup and troubleshoot.

Packet tracer simulator –
- Packet tracer is a cross-platform visual simulation tool designed by Cisco systems that allows users to create network topologies and imitate modern computer networks.
- The software allows users to simulate the configuration of Cisco routers and switches using a simulated command line interface.

Algorithm -

1. Assign IP address to PC0
   → Double click on PC0
   → go to desktop / IP config and set
       IP 192.168.1.2

2. Assign IP to PC1
   → Double click on PC1 , IP 192.168.2.2

3. Configuration of Routers
   → Double click on Router
   → Go to config / interface / fastEthernet 0/0 & set IP 192.168.1.1

4. Enable ON button and close it
   → Go to config / interface / fastEthernet 0/0 and set aerial
       2/0 and set IP 10.10.0.2

5. Configuration of RIP (ENABLE ON)
   → Go to Routing / select RIP
   → Mention / add networks : 192.168.1.0 & 10.00

• Conclusion -
      Thus, the network topology was successfully
designed and RIP was configured.