Assignment No. 83 Title: RIPLOSPF BGP protocol Pooblem Stmt: Configure RIPLOSPFIBOP using packet tracer. Objective: ective: 1. To understand the concept of dynamic 2. To understand dynamic routing protocols. Outrome: students will be able to: 1. To configure and understand RIP protocol using packet tracer. Hlw & slw required: en co Packet Tracer 13 Processor mouse, keyboard Theory:
Dynamic Routing:
Dynamic routing is a networking

technique that provides optimal data routing Unlike static routing dynamic routing enables routers to select paths according to real-time logical network layout changes

Dynamic routing occurs when routing protocol protocol and is large to very large In networks.

Dynamic rowling protocols

1. OSPF Coper Shortest path first)

OSPF 13 a link state routing protocol

It is a dynamic routing protocol used in

large to very large IP network. The

protocol uses a link-state database of link

State database of the

The algorithm used for OSPF to

determine best routes relies on the

link-state database of allows OSPF to

update its router are factor than RSP when

a petwork change is countered.

2. BGP (Border Cruteway Protocol)

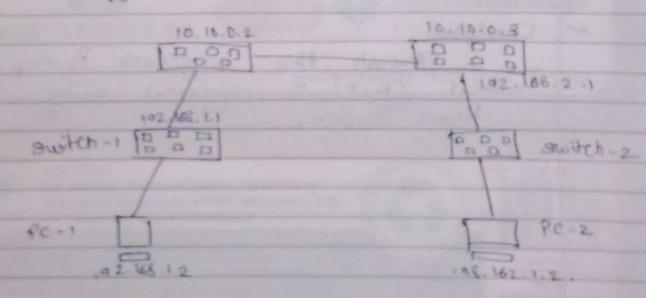
BGP 13 word 10 exchange routing information
for the internet of 15 protocol week between

IsPs The protocol can connect together any internetwork of autonomous system using asbitary topology.

3. RIP (Rowing Information Protocol)

which was hop count as a mouting protocol which was hop count as a mouting metric to find the pest path beth of source of destination retwork.

REP certiguration;



heatures of RIP:

1. Opdates of the relucisk one exchanged periodically

2. Full souting tables are sent in updates.

3. Updated one always broadcasted Configure RIP for Router 1 # souter sip # notwork 192.168.1.0 # natwork 10,0,0,0 - configure RIP Router 2: # rower rip # netroook 192.168.7.0 # network 10.0.0.0 - Conclusion: Protocal (RIP) is configured using soco of Packet Process. Packet Fracer.