

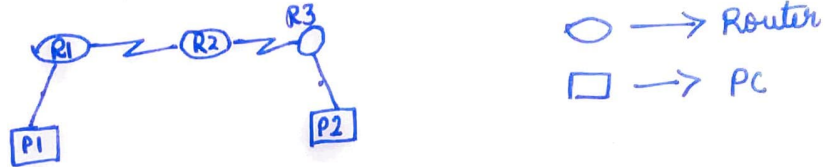
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Lab-6 Writeup

Ajman A.S
18M18CS019
5th sem
C8E
A section

Configuring RIP Protocol in routers

A topology was created using 3 routers and two PCs



- * Router interfaces were configured.
- * encapsulation ppp & clock rates were specified as when required.
- * RIP routing protocol was configured using command

(Config) # router rip
(config-router) # network <networkid>
(config-router) # network <networkid>

- * The command: # show ip route shows the ip routes configured.
- * Pinging PC1 from PC0 gives the required output.

Learning outcome:

- * Creating a topology with three routers connected via Serial DCE connections & 2 PCs.
- * Configuring router interfaces along with using encapsulation ppp & clock rate as required.
- * Configuring RIP routing protocol in routers.
- * RIP is a dynamic routing protocol which uses hop count as a routing metric to find the best path between the source & the destination network.
- * On proper configuration of RIP in routers, pinging gives the required response.