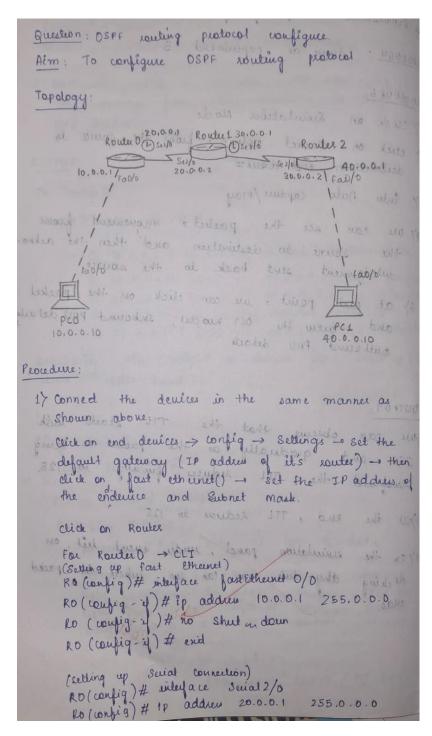
## **Observation Book:**



Ro (config - 4) # encapsulation ppp to a minor of Ro (config - 4) # clock rate 64000 RO (config - 4) # no shuldown whom the houses minas or (minas - propos on Ro (configural) # exil. 18 wanter 17 Column property 64 we set up the IP's of RI and R2 Similarly while the Setup of fast Ethernet remains same, the setting up of serial connections has 2 extra lines (encapsulation ppp, clock rate 64000) cook late 6400 must only be wither if the Serially connected post show a O symbol. thee, we mile dock water command to for After this step all the connections warmenst have tuned green. a stadgeal superbut to (1. pipas) is 12 (config of) if it, and 100 to 1,000 or 2000.0 27 To enable Ip witing by configuring osph louting protocol in all loiden. Roule RO - UI to uset priduct products no Ro(config) # route OSP) | Ro (config - willie ) # router -1d 1.1.1) RO (config wule) # return k 10.0.0.0 0.255.255.255 and no (config wule). # return k 20.0.0.0 0.255.255.255 and Ro (config - contu) # end Router R1-CLI worter cases I beautiful the same of the R1 (config- rouder) # woulder-id 2-2-2-2 11 (config-rende) # returne 20.0.00 0-255,255 215 aua 1 Ry compig-route) # network 30.0-0 0.213.203.203 anao Rs (config-vouler) # end

In lauder R2 -CLJ 418 could the class the chance R2 (renfig) # Louter out 1 R2 config-wuter) # router -1 d 30.0.00 R2 Crentig-rental # network 40.0.0.0 0. US -253-255 and R2 (config-would) # nelmone R2 (config-route) Heard while the setup of fact Ethernest remains come the networking are is done 3 once the setting up of configure loop back addres to louler. see de cote 6400 sevest orde le miller il the k o (config-4) # interface leapback o RO (config. 4) # 1p add 172.16.1.252 255.25.0.6 Ro Crentig-if) # no shut down as some see sull RI Sorial 3/0. R1 ( config-if) # induface loopbacko R1 (config-4) # ip add 122.16.1.253 285.25.0.0 RY (config-se) # no shukdows 4sts sitt will R2 (config. 4) # inleyare doopback o 1200 beaux R2 (config.il) # ip add 172.16.1.254 207.28.0.0 [R2 (config of) # no shuddown without the ne landing principal 44 on checking routing table of Ra curing show to route me can see that la doesn't know about area 3. gateway of last resort is not selfacion 0.1A 20.0.0.0/8 [110/125] Wia 20.0.0.1 Serial 3/0 C 40.0.0.0/8 is directly connected fast Etherno 0/0 C 30.0.0.0/8 is directly connected, Secral 2/0 Ra doesn't know about area? I ever how to Since Cuate uidual link between RD and R1

5) cuating virtual link between In Route RO o o is with 32 Eyes Rolconfig) # Louter out 1 Ro (coupi g - nouter) # ana | mindral - hist 2.2.2.2 Ro (config-router) # end 40-0-10: Enjer-32 Line 21m 112-125 In Roulee R1 40 0.0,10 · bufes - 20 Linu 2m R1 (config - www.) # and 1 willed - link 1-1-1-1 Rs ( config - route) Herit and of in a water propriet table of Rature wood 67 New, Check routing all these steps are completed, the meroage Once can now be pinged from 1 end-device to other. OBSERVATION In R2 laute # show ip weste OIA 20.0.0. de [110/126] wa 30.0.6.1,00:57:25, seud 2/6 40.0.0.0/E is duedly connected, Fast Etherned 0/0 10.0.0.0/c [110/129] wa 30.0.0.1 00:57:05, sevial 2/0 30.0.0.0/8 is detectly connected, Sex at 2/0 e 172.16.0.0/16 is directly connected, Loopbacks. Similarly the outpid is shown for Router o and 1 Ping output (from PCO to PCI) PCO - Command prompt

Pinging 40.0.0.10 with 32 kyles of dada.

Reply from 40.0.0.10: kyles = 32 trine = 21m TPL = 125

Reply from 40.0.0.10: kyles = 32 trine = 2m TPL = 125

Reply from 40.0.0.16: kyles = 32 trine = 2m TPL = 125

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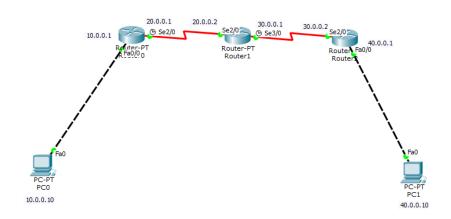
Reply from 40.0.0.16: kyles = 32 trine = 2m TPL = 125

Reply from 40.0.0.16: kyles = 32 trine = 2m TPL = 125

Reply from 40.0.0.16: kyles = 32 trine = 2m TPL = 125

Reply from 40.0.0.16: k

## Topology:



## Output:

