PAGE NO : Exp; 9 DATE: 27-11-24 LAB-07 · Objective: Configure Openstate shortest Port Protocal in Routers. Topologi: Arcal 30,000 20.0.0.1 20.0.0.2 30,0.0.1 Router 1 10:0.0.1 /Rautro 4000 Area 3 Area 2 PCT PCO 40.0.0.10 10.0.0.10 15G: 40.0.0.1 DG: 10-0.0.1 Procedure: ?s Place 2 PC's and 3 routers. ii) connect the PC's to two different sputers and connect the router using another router. i'il set the ip addresses of the end system along with their gateroux. is configure the ip addresses of rowers. ( Gro to CLI and perform: if clock is present on the post: # interface serial

PAGE NO:

|      | DATE .  |
|------|---|
|      | (contro-PE) # encapsulation PPP   |
|      | (config.if) # encapsulation PPP (config.if) # clock rate 64000                |
|      | (config-if) ±1 no shut  |
|      | 17  |
|      | if clock is not present   |
|      | (config-if) #1 encapsulation PPP  |
|      | (config-if) # encapsulation PPP<br>(config-if) # no shut                      |
|      |   |
|      |   |
| (2)  | Giving id's to Routegs:   |
|      | Giving id's to Routers!.  Router 0:   |
|      | (config ) #1 router ospf !  |
|      | Il vouter-11d 1.1.1.1   |
|      | # network 10.0:0:0 0.255.255 area 3   |
|      | 11 network 20.00.0 0:255.25535 are 1  |
|      |   |
|      | Router !:   |
|      | 11 router ospy 1"   |
|      | 1 router-id 2.2.2.2   |
|      | 11 network 20.0.0.0 0.255.255.255 area 1                                      |
| -    | # network 30,0,0,0 0, 25,255,255 ara 0  |
|      |   |
| -    | Router 2:   |
| -    | throuter ospf!  |
| -    | 11 router-Pd 3.2.3.3  |
|      | 41 network. 30.0.0.0 0.255.255 area 0   |
| 5    | #1 metwork 40.0.0,0 0.255.255.25 area 2                                       |
|      |   |
| \%\} | Giving Coophack &:  |
|      | Router O:   |
|      | (config-if)# irdefore wopback 0  # ip add 176.16.1.252 255.255.00  !! no shut |
|      | # ip add 176.16.1.22 255.255.00   |
|      | I no shut   |

PAGE NO : DATE : Rouler 1! #1 Enterface Loopback 0 #1 1p add 176.16.1.283 255.255.0.0 the shut Route 2: 11 interface loopback 0 ti ip add 176.16.1.254 255.755.00 +1 no sheet Fill create virtual Unk between R1, and R2 In RI: Confight router ospf! Harea I virtual link 2.2.2.2 tlenit Dm R2 (Cofig)# souter ospf 1 Il orea ! Mitual Unk 1:1:1.1 11 exit Ping PCO to PCI · Observation: All the devices are connected succentuly Ping 40.0.0.10 from PCD 10 ping etalistics for 40.0.0.10 Pacrots: Sentin, Receivedin, coetio (01/16)