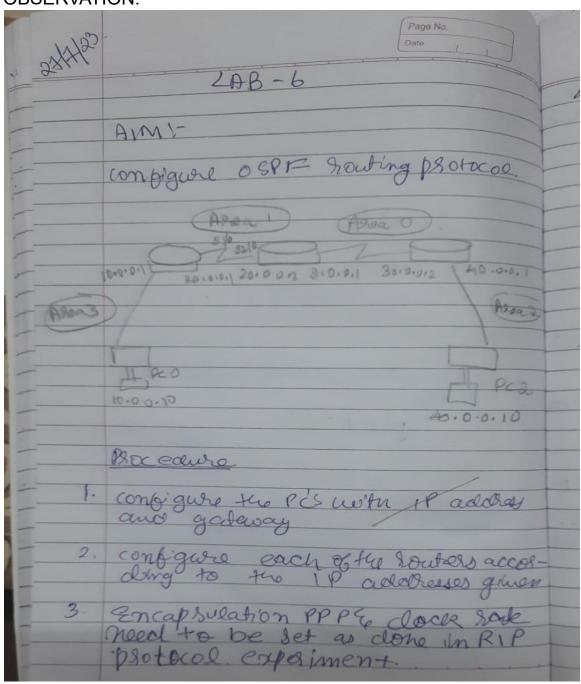
WEEK7

Configure OSPF routing protocol.

OBSERVATION:



Page No. no now Enable it routing by confugurating protocot In Routes P. R. (compres)# Trouter Ospf1 Ri (config - router) # netroore 10.0.0.0

8. (config router) # netroore 10.0.0.0

8. (config router) # metroore 20.0.0.0

Ri (config router) # metroore 20.0.0.0

Ri (config router) # metroore 20.0.0.0

Ri (config router) # metroore 20.0.0.0 RI (config - Soutes) # out In Router R2 R2 (complig - Soutes) # Router-id 2.2.2.2 R2 (complig - Soutes) # network 20.0.0.0 0, 255. 255.255 asea 1 Ro (confing - lower) # network 30,000 0.255.255.255 area o Re(config - Souder) # exit. In Lower R3 R3 (config - Soutes) # Soutes-ia 3.3.3.3 R3 (config - Soutes) # Soutes-ia 3.3.3.3 R3 (config - Soutes) # network 30.0.00 D'455.256255 arogo

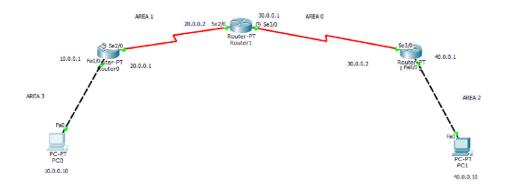
Page No. R3 (config -love) # network 40.0.00 0:255.255.253 aren R3 (config - 900 tos) # 004 200ppack: R. (Config - 6) # Interface loop back o Rillonging -16) #10 add 172-16-1.252 Ry (config - 1/6) #n o Shutdown R2 (congreg -1/4) # hyterface loopback R2(compig - 6) # # ip address 172. 16.1. 537 255.255.0 R2 (config-1/6) # no shvtdown R3 (config-if) # Interpose loop back) (onfig-16) # 1/ address 172.16. 1.234 255.2550 Rz (config -1/4) # no shut

(2) 5) Vistual link. RI (10) fig) # Stoutes OSpf)
RI (config - soutes) # area | Vilstume -D'MR 2.2.2.2. R. (config - houses) # -> An Rowler R2 R2 (complig) # 9 owler ospf. R2 (complig - 9 owles) # area 1 virtual-link R2 (conforg-lovter) #esci+ > Show if goutes. 1A 10.00.018 [10/12] Via 30.00.1 dais/3/6 01A 20.0.0.018 Eno 1223 Via 3000.1 Selial3/0 80.00018 is variably subnotted 218 subnet @ masks 30:00.0 lets directly connected 1085 are 310 c 30.0.0.1 132 is directly connected solving solving 310 C. 172:16.0. D. (16 18 directly comecled Loop back o

Page No. pring output pringing 40.00.10 custs 32 byles of date
Reply from 40.000 10 bytes = 32 time 2m

Reply from 20.000 10 bytes = 32 time = 2ms Reply ferom 40'0'0.10 bytes =32 time 2101 Programa Statistics for 20.0010.
Packets: Sent 24 Recieved = 3, Lost 1
(2801- COSS) Applox Sound thip In Mic min - 2ms man - woms Avage = 7mx

TOPOLOGY:



OUTPUT:

```
PC0
                                                                              X
                   Desktop
Physical
          Config
                             Custom Interface
   Command Prompt
                                                                                 X
   Packet Tracer PC Command Line 1.0
   PC>ping 40.0.0.10
   Pinging 40.0.0.10 with 32 bytes of data:
   Reply from 10.0.0.1: Destination host unreachable.
   Ping statistics for 40.0.0.10:
       Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
   PC>ping 40.0.0.10
   Pinging 40.0.0.10 with 32 bytes of data:
   Request timed out.
   Reply from 40.0.0.10: bytes=32 time=4ms TTL=125
   Reply from 40.0.0.10: bytes=32 time=6ms TTL=125
   Reply from 40.0.0.10: bytes=32 time=12ms TTL=125
   Ping statistics for 40.0.0.10:
       Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
   Approximate round trip times in milli-seconds:
       Minimum = 4ms, Maximum = 12ms, Average = 7ms
```

