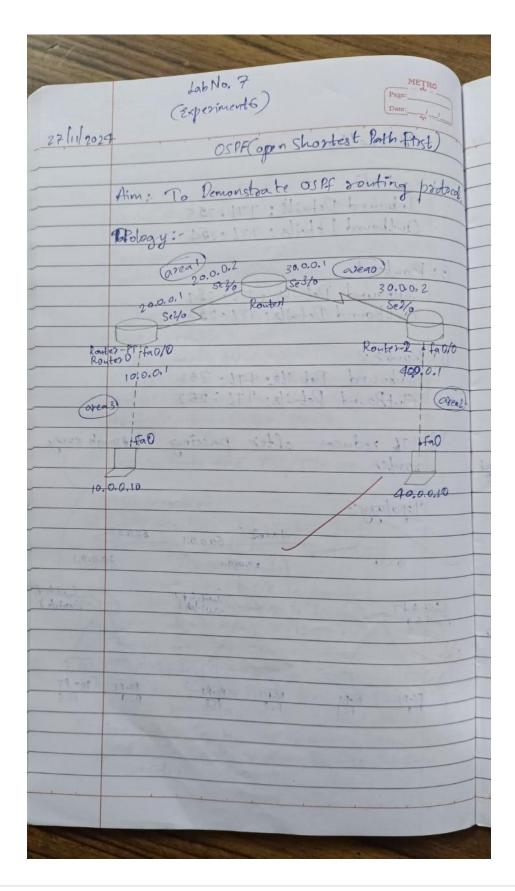
LABORATORY PROGRAM – 6 Configure OSPF routing protocol



HETRO
Daie / /
0 1240
O Place three routers & 2 end devices, connect
them as per topology il assign ip address
D Set IP address to Doutess."
Routes 12-
Routes (sontig) # interface Sorial 2/0
Router (sont of) # in orders 20 to 0 1 255.02
Router (config-if) # ip oddross 20.6.0.1 255.0.0. Router (config-if) # encapsulation ppp Router (config-if) # etack rate 64000
Restor (college) + plate rate 64000
10 TA 90.00.51 VICE 50.00.1
Similarly Set for other 2 routers,
Similarly Det 400 Some & bookers,
3 OSPF souting:
Router.
Router(config) # Douter Ospf 1
Router (config-souter) # nouter-201-1.1.1 Router (config-souter) # network 10.0.0.0
0.255255.255 areas
0,255.255.255 area3
Router (gnfig+douter) # network 20.0.0.0 0.255.255.255 02eal
- 1 1 Col for Ollier 2 aputox: 2222
Similarly Set for other 2 nouters; e22.2.2.
(4) Loopback
Router 1:
Router 1: Routed (config) #: nterface loopback O Routed (config -if) # ip address 172.16.1.252 955.255.00
housed (config -it) # ip add) as 172.16.1.252
255.255.0.0
Router (config-if) #no Shutdown
Similarly do Porother 2 routers
172.16.1.253
172.16.1.254

METRO
Page: Date:
The state of the s
(5) Ping device 40.00.10 Spor 10.0.0.10 18
(5) Ving device 40.4 01
are a second and second of many all
OBSERVATION:
for Routers:
Router # Show iproute
O IA 10.0.0.0/8 via 30.0.0.1
0 IA 20.00.0/8 view 30.0.0.1
30,00,018 is variably Subnetted,
2 Subnets, 2 magles
C 30.0.0.0/8 is directly connected Serial 26
C 30.0.0.1/32 is directly connected Sond 26
C do. 0.0/8 is directly connected, fac/o
C 172, 16.0.0/16 is Smaller considered Orange
C 172, 16.0.0/16 is directly connected logger
-All the soutes know about each other
- Thus Connection Successful 1221
- Thus Connection Successfully established
through OSPF protocol.
1) Pinging; 7
- Pinging was Successfull: The data packets were Successfully Sent Soom device to 0.000 to 40.00.10 as conde
were successfully dent from device to o all
P COMPONENT OF THE STATE OF THE
through OSPF protoCol.
constants are the temperation of the
,
comical to to obor a soution
122.13.135.1

