WEEK-4

Configure default route, static route to router.

→ connect devices as shown in topology.
→ let IP address be configured to all PCs &
routers.

         enable

         config t   (OR)

         interface fast Ethernet / serial 0/0

         ip address 10.0.0.1 255.0.0.0

         no shut

→ default route for router 1, router 5, router 3.

①

         enable

         config t

         ip route 0.0.0.0 0.0.0.0   60.0.0.3

⑤

         ip route 0.0.0.0 0.0.0.0 100.0.0.1

③

         ip route 0.0.0.0 0.0.0.0 50.0.0.3

→ static routing for router 0, router 6, router 4,
router 2.

ip route 20.0.0.0   255.0.0.0   60.0.0.1

ip route 30.0.0.0   255.0.0.0   70.0.0.1

ip route 40.0.0.0   255.0.0.0   70.0.0.1

ip route 50.0.0.0   255.0.0.0   70.0.0.1

ip route 80.0.0.0   255.0.0.0   70.0.0.1

ip route 100.0.0.0   255.0.0.0   70.0.0.1

ip route 110.0.0.0   255.0.0.0   70.0.0.1

1

continue to do so for others.

OUTPUT-

ping 20.0.0.1
pinging 20.0.0.1 with 32 bytes of data.

Request time out
Reply from 20.0.0.1: bytes = 32 time= 7ms TTL= 126
Reply from 20.0.0.1! bytes = 32 time= 7ms TTL= 126
Reply from 20.0.0.1! bytes = 32 time = 7ms TTL= 126

ping statistics for 20.0.0.1!
packets : sent= 4, recieved = 3, host = 1 (25% loss)
approximate round trip times in milliseconds
minimum = 6ms, maximum= 7ms, average = 6ms

TOPOLOGY-