Ex-11a)

Date : 9/10/24   STATIC ROUTING CONFIGURATION

AIM :

    To simulate static routing configuration using cisco Packet Tracer.

PROCEDURE :

    1) Arrange PC & router in the manner as given below.
    2) Assign IP address for router and PCs

      Router 0 [2811].
      →IP Fa0/0 - 192.168.1.2
           Fa0/1 - 192.168.2.3

      PC0 : IP - 192.168.2.7
       Gateway - 192.168.2.3

      PC1 : IP - 192.168.2.3
       Gateway - 192.168.2.3

      PC2 : IP - 192.168.3.5
       Gateway - 192.168.3.3

      PC3 : IP - 192.168.3.7
       Gateway - 192.168.3.3

3) Now click on router 0
   then config → static
   Network → 192.168.3.0
   Subnet — 255.255.255.0
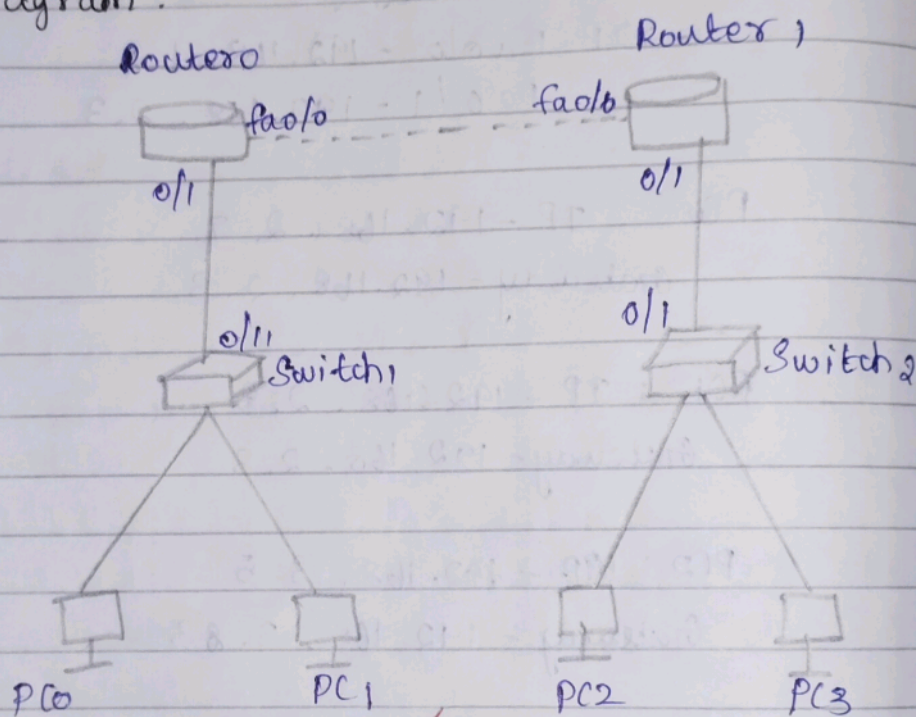   Nexthop — 192.168.1.4

4) Now click on router 1
   then config → static
   Network — 192.168.2.0
   Subnet — 255.255.255.0
   Nexthop — 192.168.1.2

Diagram :

Router0   Router 1
      fao/0   fao/0
    o/1   o/1

      o/1   o/1
      Switch1   Switch 2

PC0   PC1   PC2   PC3

OUTPUT :

ping from PCo to PC2

Vis	Time (sec)	Last device
	0·000	--
	0·001	PCo
	0·002	Switch o
	0·003	Router o
	0·004	Router 1
	0·005	Switch 1
	0·066	PC2
	0·607	Switch 1
	0·008	Router 1
	0·009	Router o
	0·010	Switch o

Fire	Last Status	Source	Destination	Type	Color	Type (sec)	Period
◉	Successful	PCo	PC2	ICMP	☐	0·000	N

RESULT :

    Thus static routing configuration has been successfully executed and the output is verified.