Configure NAT_PAT_2

Time: 30 mins   Total Mark: 20

1. Take IP address 192.168.16.0 /22 as a private network. Create necessary VLSM to give IP address as following: **2**
   - CSE (KUET and KU) subnet (240 hosts) #0
   - EEE (KUET) subnet (240 hosts) #1
   - Network-1 (2 hosts) #2
   - Network-2 (2 hosts) #3
   - Network-3 (2 hosts) #4
2. **Take IP address 100.10.10.0/24 as a public IP for Network-4.**

Device Name	Interface	IP address
CSE_router	Gig 0/0	1st usable IP address
	Gig 0/1	1st usable IP address
	Gig 0/2	2nd usable IP address
EEE_router	Gig 0/0	1st usable IP address
	Gig 0/1	1st usable IP address
	Gig 0/2	2nd usable IP address
ME_router	Gig 0/0	1st usable IP address
	Gig 0/2	2nd usable IP address
R1_router	Gig 0/0	1st usable IP address
	Gig 0/1	1st usable IP address
	Gig 0/2	2nd usable IP address
HTTP server (kuet.ac.bd)	Fa0	2nd usable IP address
DNS server	Fa0	3rd usable IP address
PC-0	Fa0	10th usable IP address
PC-1	Fa0	10th usable IP address

3. Give IP address to all the devices statically according to above table.   1
4. Apply routing in all router.   **2+2+2+2**
5. **Apply NAT-PAT on ME_router** to hide HTTP server **(100.10.10.12:80)** and DNS server **(100.10.10.10)** from outside network. **2+2**
6. **Apply Static NAT in R1_router** to map PC0 with public IP **(100.10.10.100)** and PC1 with public IP **(100.10.10.101)**   **2+2**
7. Configure DNS server to access **kuet.ac.bd**.   1
   NB. No need to change HTML file on HTTP server.