Configure NAT_PAT

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 subnet (240 hosts) #0
   - EEE subnet (240 hosts) #1
   - ME subnet (240 hosts) #2
   - Network-1 (2 hosts) #3
   - Network-2 (2 hosts) #4
   - Network-3 (2 hosts) #5
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) and DNS server (100.10.10.10) from outside network. **6+6**
6. Configure DNS server to access **kuet.ac.bd**. 1
   NB. No need to change HTML file on HTTP server.