

Configure IPv4 OSPF Routes and Set Up DNS server

Time: 30 mins

Total Mark: 20

1. Take IP address 192.168.16.0 /22. 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
- Network-4 (2 hosts) #6

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

2. Give IP address to all the devices statically according to above table.

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3. Apply OSPF in all router. **4+4+4+4**

4. Configure DNS server to access **kuet.ac.bd**.

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