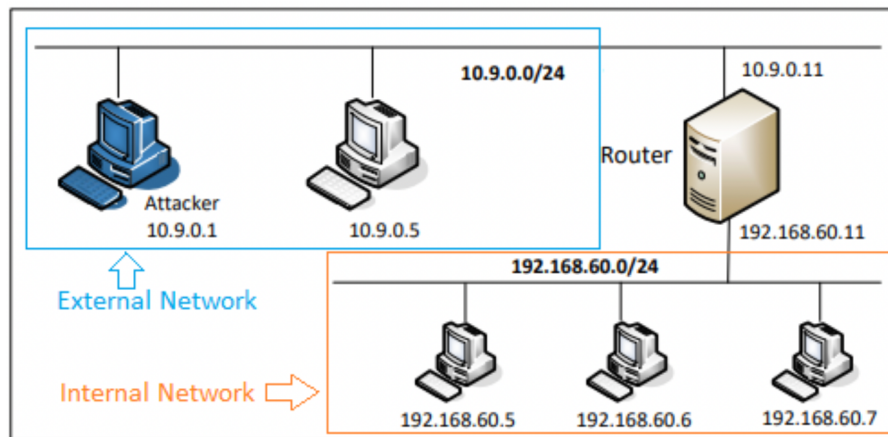# January 2023 CSE 406

Online on Firewall - A1

Total Marks: 10   **Time Duration: 30 minutes**

You need to write the following firewall rules:

1. Internal Hosts can send UDP packets to the external hosts.

2. Internal Hosts can not send UDP packets to each other.

3. External Hosts cannot send UDP packets to the internal hosts except External host with IP address 10.9.0.5 can send UDP packets to 192.168.60.6

4. External hosts cannot make any new TCP connection with internal hosts.

5. No Host can connect via SSH to the router except the internal host with IP address 192.168.60.7

6. External host with IP address 10.9.0.5 can ping to internal host with IP address 192.168.60.5 **15 times per minute** but the **first 4 pings** will be allowed to pass even if they exceed the rate limit.

7. Each internal host can send 20 packets per minute.

Mark Distribution

	Task Detail	Marks
1	Proper Implementation of Firewall Rules 1-3	2
2	Proper Implementation of Firewall Rule 4	1.5
3	Proper Implementation of Firewall Rule 5	1.5
4	Proper Implementation of Firewall Rule 6	3
5	Proper Implementation of Firewall Rule 7	2