CNS PRACTICAL ASSIGNMENT-I

SNo.	Query	Preferred OS
1.	Find IP information assigned to your computer (IP address, DNS IP address, Gateway IP address)	W
2.	Check different interfaces connected to the network	W, L
3.	Alter the status of any interface • Set it to Offline mode • Set it again to Online mode	L
4.	Change the MTU size of a packet	L
5.	Find the subnet mask.	W, L
6.	Calculate number of host ids in your subnet	W, L
7.	Find the network and broadcast address of the network you are connected to.	W, L
8.	a) Ping the DNS server and check the response. b) Ping 8 echo requests with each packet of size 50 to any domain name/IP address and check the response. c) Ping 8 echo requests with each packet of size 100000 to any domain name/IP address and check the response.	W, L
9.	Find the MAC address of your device. Retrieve both the Manufacturer Id (Manufacturer as well) and the device ID.	W, L
10	What is the Private and Public IP address assigned for your current connection.	W, L
11	How can you redirect the traffic through a particular gateway.	W
12	Look for the address of the default gateway and firewall.	W
13	Find the DHCP Server IP address (if enabled)	W
14	Count number of hosts traveled by packet to reach the destination organization. What is the IPaddress of second last host.	W, L
15	Generate a report of mtr command result (Use Ubuntu for this command) (Try to set different attributes for the same e.g. hops, number of pings etc.)	L