

LAN Mode Lab Test

Q1

VLAN	CZDR	1st IP	Last IP	BA	SM
10	125	192.168.1.1	192.168.1.126	192.168.1.127	255.255.255.128
20	127	192.168.1.129	192.168.1.158	192.168.1.159	255.255.255.224
30	129	192.168.1.161	192.168.1.166	192.168.1.167	255.255.255.248

32-25
-7

192.168.1.0 1111 1111 1111 1111

32-27
-5

192.168.1.100 1111 1111 1111 1111

1111 1111 1111 1111 1111

32-29
-3

192.168.1.1010 1111 1111 1111 1111

1111 1111 1111 1111 1111

Q2

b)

Device	Port	VLAN	PC Interface	IP	SM	Default Gateway
SW1	F40/22	Admin	N.A	NA	NA	NA
SW1	F40/23	Admin	N.A	NA	NA	NA
SW1	F40/24	All	N.A	NA	NA	NA
SW2	F40/5	10 (Staff)	PC1-NZC	192.168.1.2 / 25		192.168.1.1 192.168.1.10
SW2	F40/6-10	20 (Student)	PC2-NZC	192.168.1.130 / 27		192.168.1.129
SW2	F40/15-19	30 (Guest)	PC3-NZC	192.168.1.162 / 27		192.168.1.161
SW3	F40/2-5	10 (Staff)	PC4-NZC	192.168.1.3 / 25		192.168.1.1
SW3	F40/6-10	20 (Student)	PC5-NZC	192.168.1.131 / 27		192.168.1.129