RIP COMMANDS:

R1>enable

R1#configure terminal

Enter configuration commands, one per line. End with CNTL/Z.

R1(config)#router rip

R1(config-router)#version 2

R1(config-router)#network 200.100.10.0

R1(config-router)#network 192.168.20.0

R1(config-router)#network 10.10.10.0

R1(config-router)#

TELNET:

CLI Commands:

Router:

Router>enable

Router#config

Router(config)#interface fast 0/0

Router(config-if)#ip address 192.168.1.1 255.255.255.0

Router(config-if)#no shutdown

Router(config-if)#exit

Router(config)# line vty 0 4

Router(config-line)#password 123

Router(config-line)#login

Router(config-line)#exit

Router(config)#enable password 123

Router(config)#exit

Switches:

Switch>enable

Switch>config

Switch(config)#interface vlan1

Switch(config-if)#ip address 192.168.1.2 255.255.255.0

Switch(config-if)#no shutdown

Switch(config-if)#exit

Switch(config)#line vty 0 4

Switch(config-line)#password hamza

Switch(config-line)#login

Switch(config-line)#exit

Switch(config)#ip default-gateway 192.168.1.1

Switch(config)#do wr

Switch(config)#exit

Switch(config)#enable pass 123

Switch(config)#exit

OSPF COMMANDS:

R1>**enable**  
R1#**configure terminal**  
Enter configuration commands, one per line. End with CNTL/Z.  
R1(config)#**router ospf 1**  
R1(config-router)#**network 20.10.10.0 0.0.0.3 area 0**  
R1(config-router)#**network 10.10.10.0 0.0.0.3 area 0**  
R1(config-router)#**network 10.10.10.4 0.0.0.3 area 0**  
R1(config-router)#

Dhcp commands:

R1>**enable**R1#**configure terminal**  
Enter configuration commands, one per line. End with CNTL/Z.

**R1(config)#interface fastEthernet 0/0  
R1(config-if)#ip address 192.168.10.1 255.255.255.0  
R1(config-if)#no shutdown**

**R2(config)#ip dhcp pool Technig\_Clients  
R2(dhcp-config)#  
R2(dhcp-config)#default-router 192.168.10.1**

**R2(dhcp-config)#network 192.168.10.0 255.255.255.0**

**PORT SECURITY:**

Switch>enable

Switch#config

Switch(config)#int range fa0/1-4

Switch(config-if-range)#switchport port-security maximum 1

Switch(config-if-range)#switchport port-security violation shutdown

Switch(config-if-range)#switchport port-security mac-address sticky

**REDISTRIBUTER:**

RIP🡪OSPF

Router>enable

Router>config

Router>router rip

Router>version 2

Router>redistributor ospf 1 metric 1

Router>exit

OSPF🡪RIP

Router>router ospf 1

Router>redistributor rip subnets

Router>exit

**VLAN:**

