CNLAB MOCK EXAM

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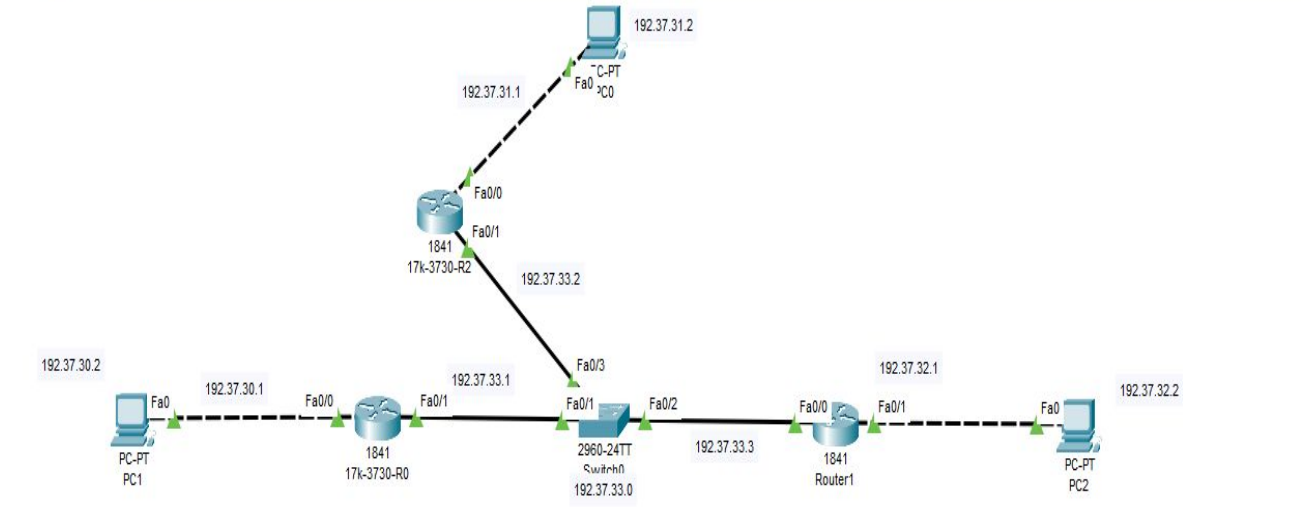
17k-3730

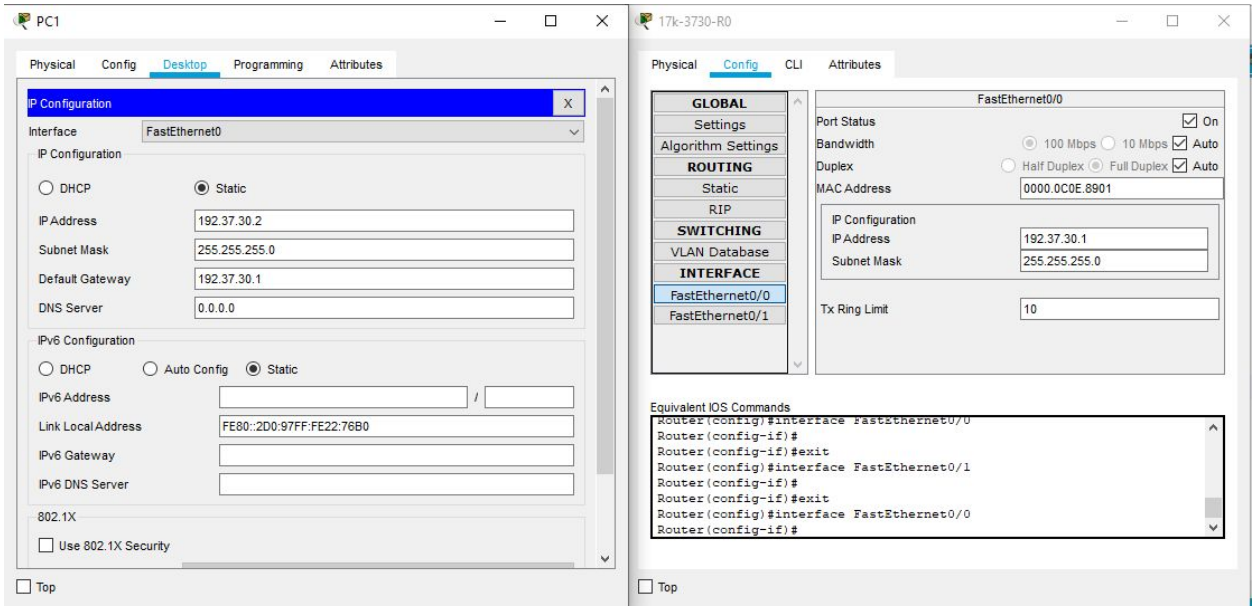
Q1:

I have used RIP protocol because Routing information protocol(RIP) is most commonly deployed routing protocols, most of the operating windows, Linux and novel systems use RIP. Routing information protocol is normally suitable for small office, medium office, branch office environment and flat networks. RIP is an interior routing protocol and used in an inter-domain environment.

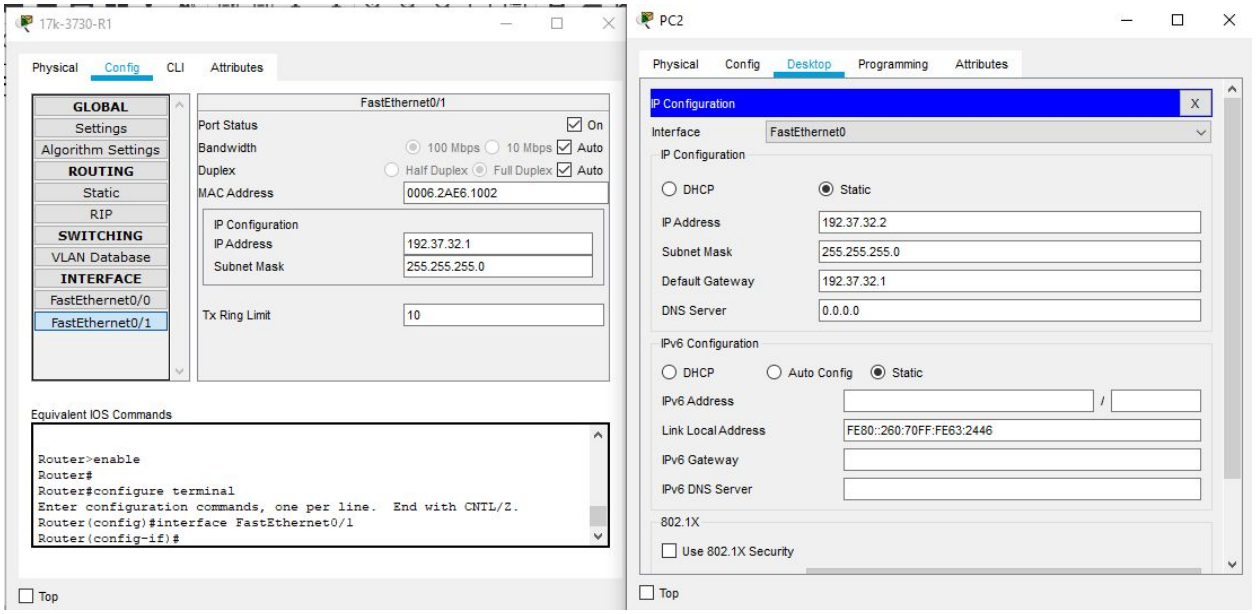
Q2:



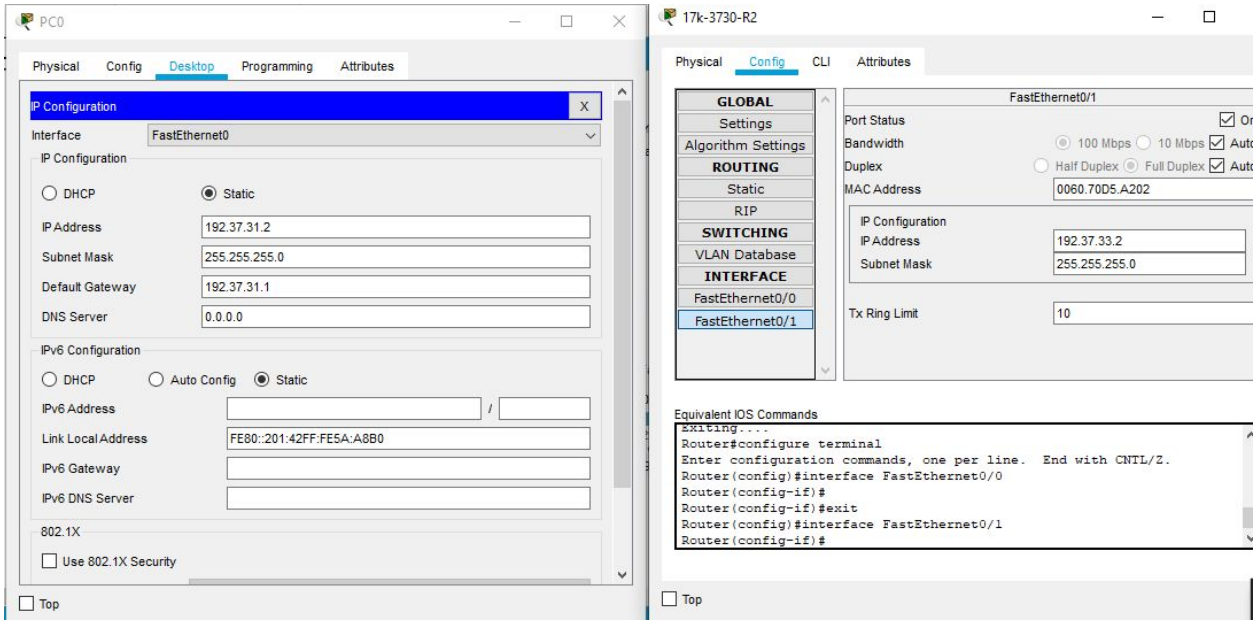
PC1


PC1
Physical Config Desktop Programming Attributes
IP Configuration
Interface FastEthernet0
IP Configuration
DHCP Static
IP Address 192.37.30.2
Subnet Mask 255.255.255.0
Default Gateway 192.37.30.1
DNS Server 0.0.0.0
IPv6 Configuration
DHCP Auto Config Static
IPv6 Address
Link Local Address FE80::2D0:97FF:FE22:76B0
IPv6 Gateway
IPv6 DNS Server
802.1X
Use 802.1X Security
Top
17k-3730-R0
Physical Config CLI Attributes
GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
SWITCHING
VLAN Database
INTERFACE
FastEthernet0/0
FastEthernet0/1
FastEthernet0/0
Port Status On
Bandwidth 100 Mbps 10 Mbps Auto
Duplex Half Duplex Full Duplex Auto
MAC Address 0000.0C0E.8901
IP Configuration
IP Address 192.37.30.1
Subnet Mask 255.255.255.0
Tx Ring Limit 10
Equivalent IOS Commands
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/1
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#
Top

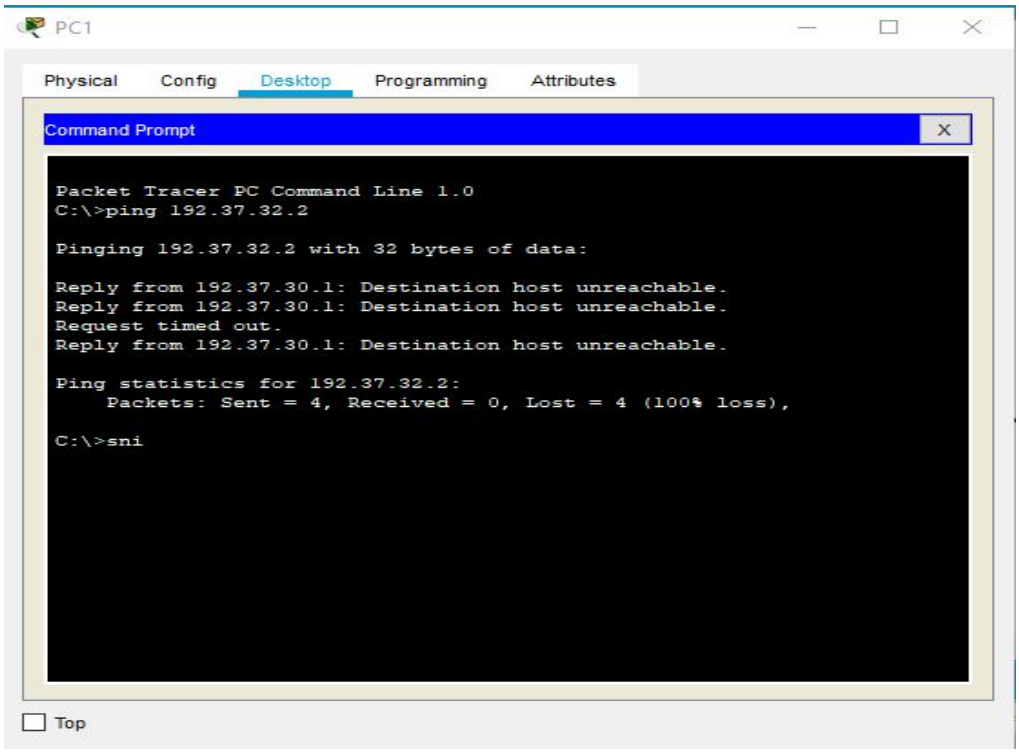
PC2


17k-3730-R1
Physical Config CLI Attributes
GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
SWITCHING
VLAN Database
INTERFACE
FastEthernet0/0
FastEthernet0/1
FastEthernet0/1
Port Status On
Bandwidth 100 Mbps 10 Mbps Auto
Duplex Half Duplex Full Duplex Auto
MAC Address 0006.2AE6.1002
IP Configuration
IP Address 192.37.32.1
Subnet Mask 255.255.255.0
Tx Ring Limit 10
Equivalent IOS Commands
Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/1
Router(config-if)#
Top
PC2
Physical Config Desktop Programming Attributes
IP Configuration
Interface FastEthernet0
IP Configuration
DHCP Static
IP Address 192.37.32.2
Subnet Mask 255.255.255.0
Default Gateway 192.37.32.1
DNS Server 0.0.0.0
IPv6 Configuration
DHCP Auto Config Static
IPv6 Address
Link Local Address FE80::260:70FF:FE63:2446
IPv6 Gateway
IPv6 DNS Server
802.1X
Use 802.1X Security
Top

PC0


PC0
Physical
Config
Desktop
Programming
Attributes
IP Configuration
Interface
FastEthernet0
IP Configuration
DHCP
Static
IP Address
192.37.31.2
Subnet Mask
255.255.255.0
Default Gateway
192.37.31.1
DNS Server
0.0.0.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address
FE80::201:42FF:FE5A:A8B0
IPv6 Gateway
IPv6 DNS Server
802.1X
Use 802.1X Security
Top
17k-3730-R2
Physical
Config
CLI
Attributes
GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
SWITCHING
VLAN Database
INTERFACE
FastEthernet0/0
FastEthernet0/1
FastEthernet0/1
Port Status
Bandwidth
100 Mbps
10 Mbps
Duplex
Half Duplex
Full Duplex
MAC Address
0060.70D5.A202
IP Configuration
IP Address
192.37.33.2
Subnet Mask
255.255.255.0
Tx Ring Limit
10
Equivalent IOS Commands
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/1
Router(config-if)#
Top

Q3:


PC1
Physical
Config
Desktop
Programming
Attributes
Command Prompt
Packet Tracer PC Command Line 1.0
C:\>ping 192.37.32.2
Pinging 192.37.32.2 with 32 bytes of data:
Reply from 192.37.30.1: Destination host unreachable.
Reply from 192.37.30.1: Destination host unreachable.
Request timed out.
Reply from 192.37.30.1: Destination host unreachable.
Ping statistics for 192.37.32.2:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\>sni
Top

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num
	Failed	PC1	PC2	ICMP		0.000	N	0
	Failed	PC0	PC2	ICMP		0.000	N	1
	Failed	PC2	PC1	ICMP		0.000	N	2

Q4:

```
C:\>ping 192.37.32.2

Pinging 192.37.32.2 with 32 bytes of data:

Reply from 192.37.32.2: bytes=32 time<1ms TTL=126
Reply from 192.37.32.2: bytes=32 time<1ms TTL=126
Reply from 192.37.32.2: bytes=32 time<1ms TTL=126
Reply from 192.37.32.2: bytes=32 time<1ms TTL=126

Ping statistics for 192.37.32.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
```

Top

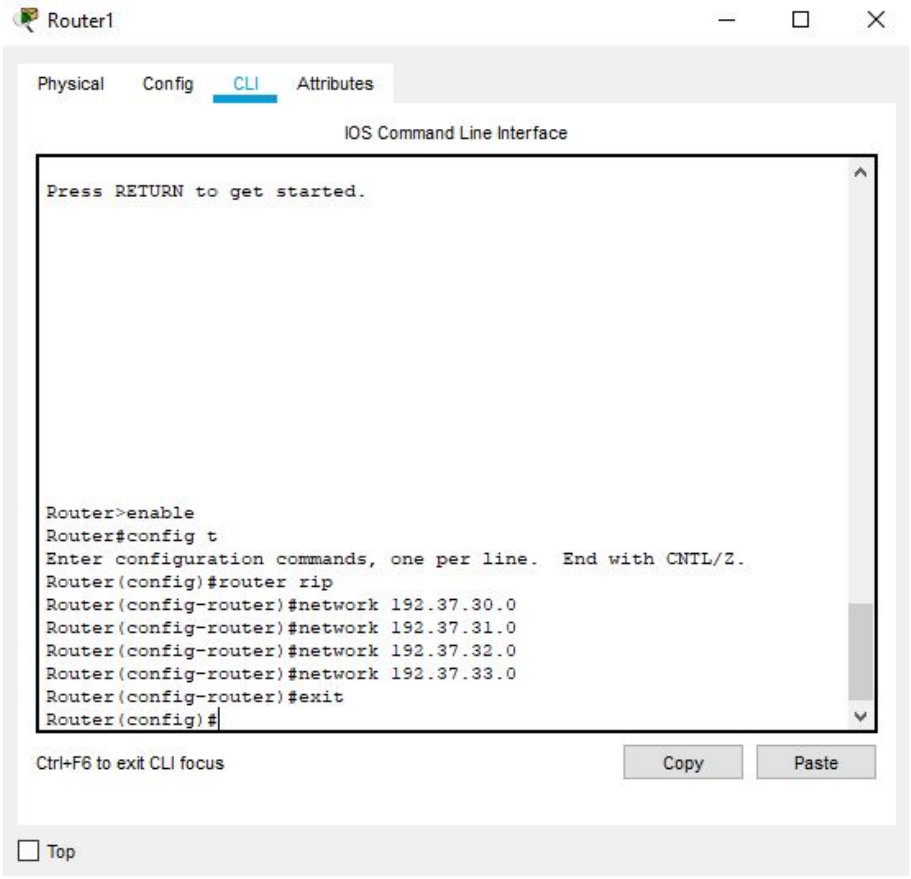
Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num
	Successful	PC1	PC0	ICMP		0.000	N	3
	Successful	PC2	PC0	ICMP		0.000	N	4
	Successful	PC1	PC2	ICMP		0.000	N	5

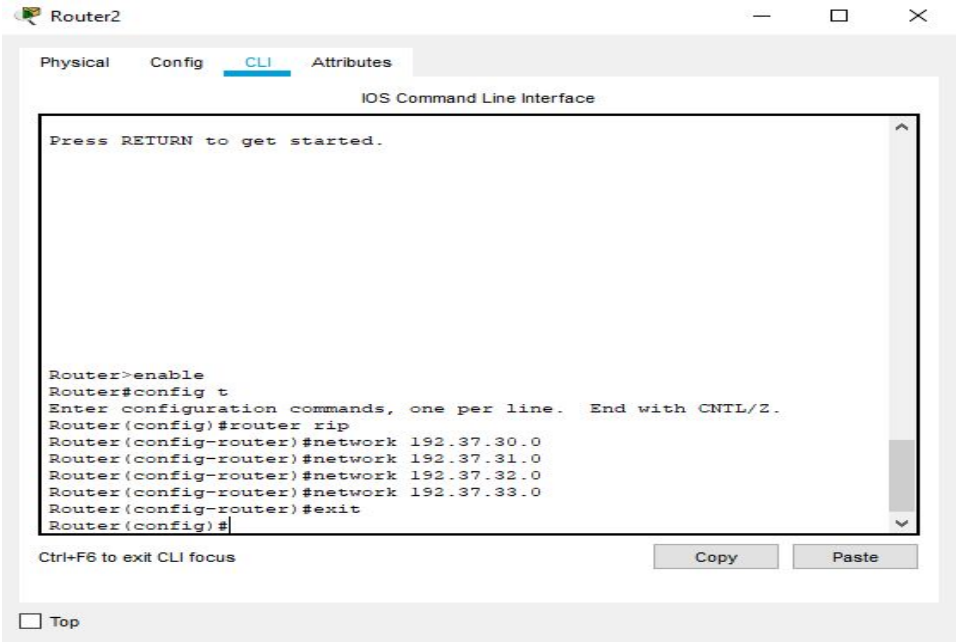
Q5:

Q6:

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num
	Failed	PC1	PC2	ICMP		0.000	N	0
	Failed	PC0	PC2	ICMP		0.000	N	1
	Failed	PC2	PC1	ICMP		0.000	N	2

Rip configuration:


Router1
Physical
Config
CLI
Attributes
IOS Command Line Interface
Press RETURN to get started.
Router>enable
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router rip
Router(config-router)#network 192.37.30.0
Router(config-router)#network 192.37.31.0
Router(config-router)#network 192.37.32.0
Router(config-router)#network 192.37.33.0
Router(config-router)#exit
Router(config)#
Ctrl+F6 to exit CLI focus
Copy
Paste
Top


Router2
Physical
Config
CLI
Attributes
IOS Command Line Interface
Press RETURN to get started.
Router>enable
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router rip
Router(config-router)#network 192.37.30.0
Router(config-router)#network 192.37.31.0
Router(config-router)#network 192.37.32.0
Router(config-router)#network 192.37.33.0
Router(config-router)#exit
Router(config)#
Ctrl+F6 to exit CLI focus
Copy
Paste
Top