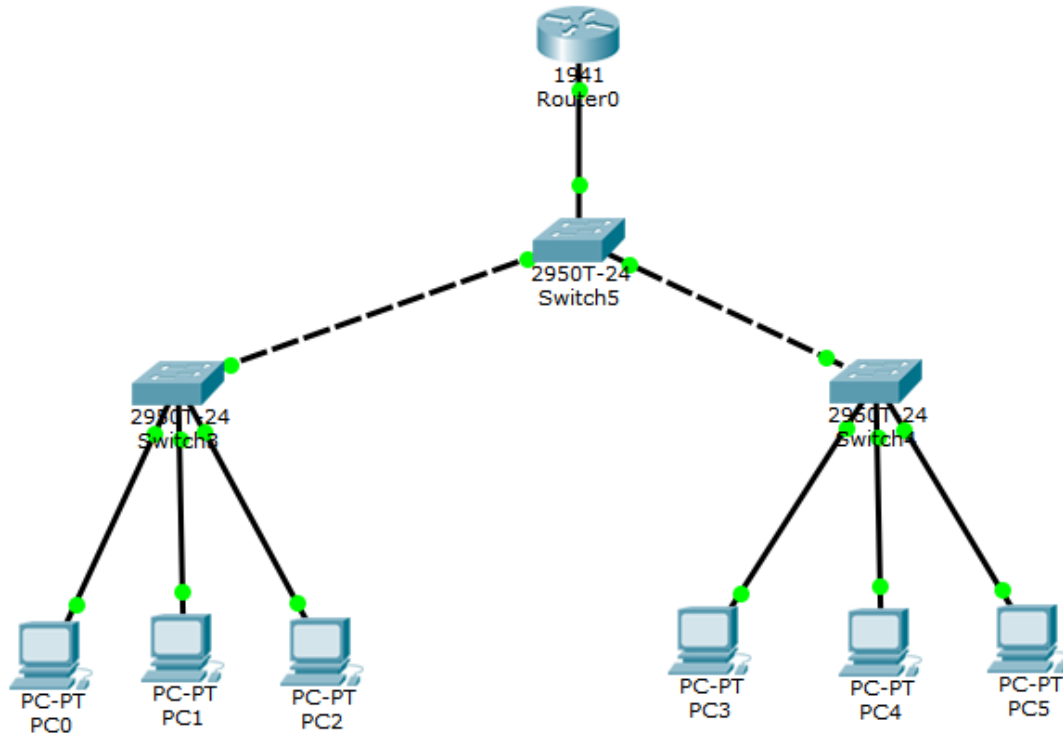
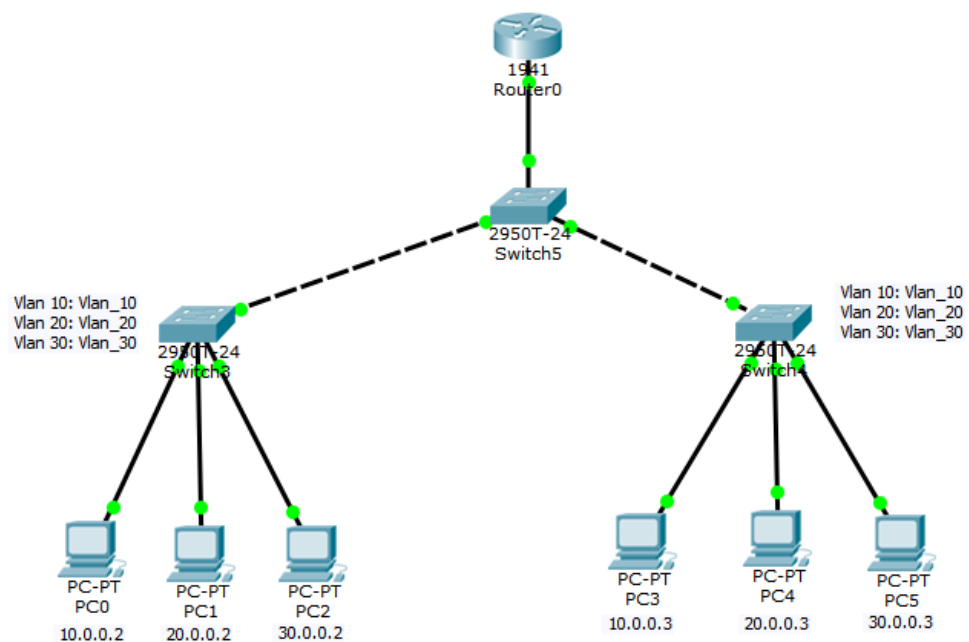


QUESTION NO 01

TOPOLOGY



QUESTION REQUIRMENTS



CONFIGURATION

Switch3

Physical Config CLI

IOS Command Line Interface

```
Switch#sh vlan breif
Switch#sh vlan breif
^
% Invalid input detected at '^' marker.

Switch#sh vlan brief

VLAN Name                Status    Ports
-----
1    default                active    Fa0/4, Fa0/5, Fa0/6, Fa0/7
                                           Fa0/8, Fa0/9, Fa0/10, Fa0/11
                                           Fa0/12, Fa0/13, Fa0/14, Fa0/15
                                           Fa0/16, Fa0/17, Fa0/18, Fa0/19
                                           Fa0/20, Fa0/21, Fa0/22, Fa0/23
                                           Fa0/24, Gig0/1, Gig0/2
10   Vlan_10                  active    Fa0/1
20   Vlan_20                  active    Fa0/2
30   Vlan_30                  active    Fa0/3
1002 fddi-default           active
1003 token-ring-default     active
1004 fddinet-default        active
1005 trnet-default          active
Switch#
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed state
to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed state
to up

Switch#sh vlan breif|
```

Switch4

Physical Config CLI

IOS Command Line Interface

```
Switch>sh vlan
Switch>sh vlan br
Switch>sh vlan brief

VLAN Name                Status    Ports
-----
1    default                active    Fa0/4, Fa0/5, Fa0/6, Fa0/7
                                           Fa0/8, Fa0/9, Fa0/10, Fa0/11
                                           Fa0/12, Fa0/13, Fa0/14, Fa0/15
                                           Fa0/16, Fa0/17, Fa0/18, Fa0/19
                                           Fa0/20, Fa0/21, Fa0/22, Fa0/23
                                           Fa0/24, Gig0/2
10   Vlan_10                  active    Fa0/1
20   Vlan_20                  active    Fa0/2
30   Vlan_30                  active    Fa0/3
1002 fddi-default           active
1003 token-ring-default     active
1004 fddinet-default        active
1005 trnet-default          active
Switch>|
```

Switch5

Physical Config CLI

IOS Command Line Interface

```
Switch(config-vlan)#  
Switch(config-vlan)#name Vlan_20  
Switch(config-vlan)#vlan 30  
Switch(config-vlan)#name Vlan_40  
Switch(config-vlan)#vlan 30  
Switch(config-vlan)#name Vlan_30  
Switch(config-vlan)#ex  
Switch(config)#end  
Switch#  
%SYS-5-CONFIG_I: Configured from console by console  
  
Switch#sh vlan br  
Switch#sh vlan brief
```

VLAN Name	Status	Ports
1 default	active	Fa0/4, Fa0/5, Fa0/6, Fa0/7 Fa0/8, Fa0/9, Fa0/10, Fa0/11 Fa0/12, Fa0/13, Fa0/14, Fa0/15 Fa0/16, Fa0/17, Fa0/18, Fa0/19 Fa0/20, Fa0/21, Fa0/22, Fa0/23 Fa0/24, Gig0/1, Gig0/2
10 Vlan_10	active	
20 Vlan_20	active	
30 Vlan_30	active	
1002 fddi-default	active	
1003 token-ring-default	active	
1004 fddinet-default	active	
1005 trnet-default	active	

Switch#

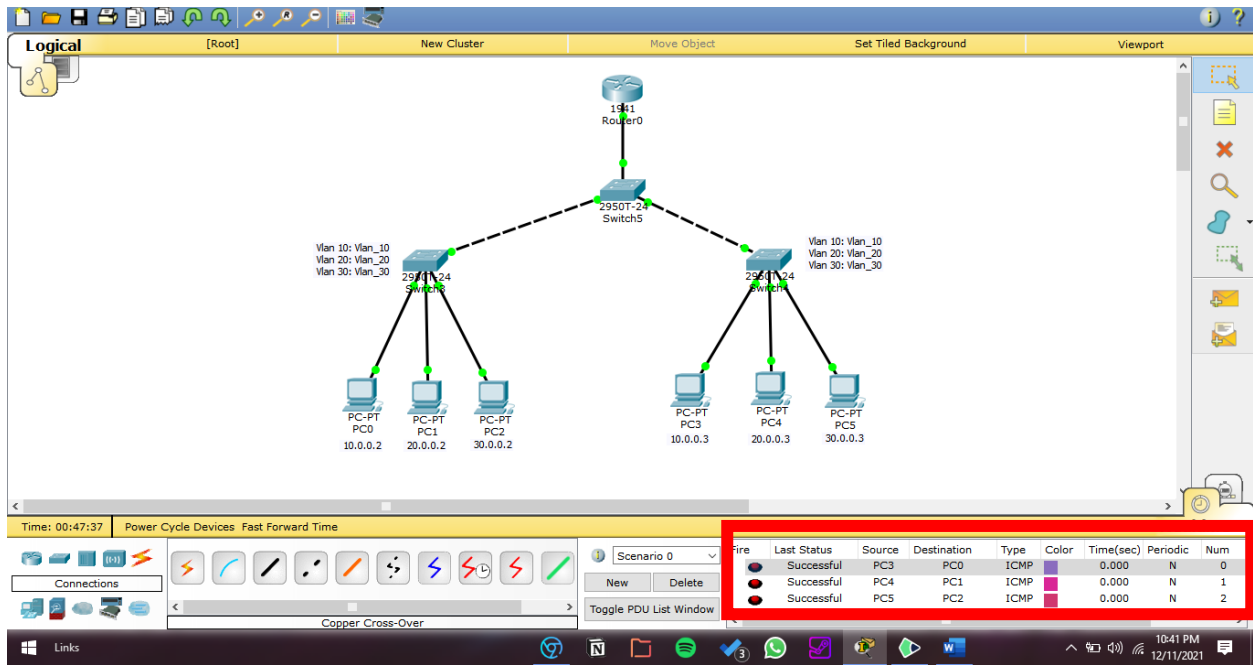
Router0

Physical Config CLI

IOS Command Line Interface

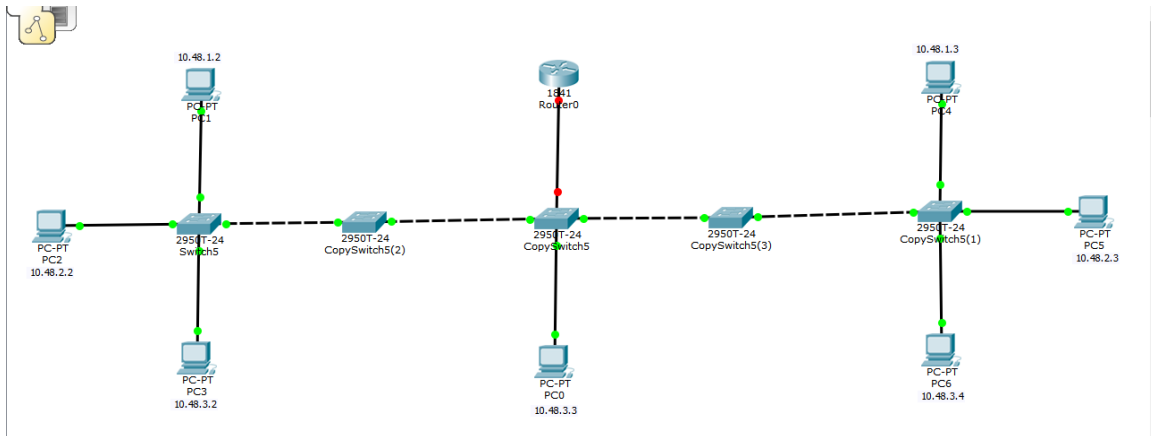
```
Router#conf  
Router#configure t  
Router#configure terminal  
Enter configuration commands, one per line. End with CNTL/Z.  
Router(config)#int  
Router(config)#interface g  
Router(config)#interface gigabitEthernet 0/0  
Router(config-if)#en  
Router(config-if)#enc  
Router(config-if)#encap  
Router(config-if)#encapsu  
Router(config-if)#encapsulate  
Router(config-if)#interface gigabitEthernet 0/0.10  
Router(config-subif)#e  
Router(config-subif)#en  
Router(config-subif)#encapsulation q  
Router(config-subif)#encapsulation d  
Router(config-subif)#encapsulation dot1Q  
% Incomplete command.  
Router(config-subif)#encapsulation dot1Q 10  
Router(config-subif)#ip address 10.0.0.1 255.0.0.0  
Router(config-subif)#interface gigabitEthernet 0/0.20  
Router(config-subif)#encapsulation dot1Q 20  
Router(config-subif)#ip address 20.0.0.1 255.0.0.0  
Router(config-subif)#interface gigabitEthernet 0/0.30  
Router(config-subif)#encapsulation dot1Q 30  
Router(config-subif)#ip address 30.0.0.1 255.0.0.0  
Router(config-subif)#interface gigabitEthernet 0/0  
Router(config-if)#no shut
```

CONFIGURATION SUCCESSFUL



QUESTION NO 03

TOPOLOGY AND IP'S TO PC



Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num
	Successful	PC6	PC0	ICMP		0.000	N	0
	Successful	PC6	PC3	ICMP		0.000	N	1
	Successful	PC4	PC1	ICMP		0.000	N	2

CONFIGURING

```

Switch5
Physical Config CLI
IOS Command Line Interface
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#
Switch(config)#vlan 10
Switch(config-vlan)#name Vlan_10
Switch(config-vlan)#vlan 20
Switch(config-vlan)#name Vlan_20
Switch(config-vlan)#vlan 30
Switch(config-vlan)#name Vlan_30
Switch(config-vlan)#
Switch(config-vlan)#int
Switch(config-vlan)#in
Switch(config-vlan)#ex
Switch(config-vlan)#exit
Switch(config)#in
Switch(config)#interface fa0/1
Switch(config-if)#sw
Switch(config-if)#switchport mo
Switch(config-if)#switchport mode a
Switch(config-if)#switchport mode access
Switch(config-if)#switchport ac
Switch(config-if)#switchport access mo
Switch(config-if)#switchport access mod
Switch(config-if)#switchport access vlan 10
Switch(config-if)#interface fa0/2
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 20
Switch(config-if)#interface fa0/3
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 30
Switch(config-if)#
Copy Paste
  
```

CopySwitch5(1)

Physical Config CLI

IOS Command Line Interface

```
Switch>en
Switch#conf
Switch#configure te
Switch#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#vlan 10
Switch(config-vlan)#name Vlan_10
Switch(config-vlan)#vlan 20
Switch(config-vlan)#name Vlan_20
Switch(config-vlan)#vlan 30
Switch(config-vlan)#name Vlan_30
Switch(config-vlan)#int
Switch(config-vlan)#int fa 0/1
Switch(config-if)#sw
Switch(config-if)#switchport mode
Switch(config-if)#switchport mode ac
Switch(config-if)#switchport mode access
Switch(config-if)#sw
Switch(config-if)#switchport ac
Switch(config-if)#switchport access vlan 10
Switch(config-if)#int fa 0/2
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 20
Switch(config-if)#int fa 0/3
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 30
Switch(config-if)#
```

Copy Paste

CONFIGURATION SUCCESSFUL

