

EX. No: 7.

## Sliding Window Protocol

code :-

```
from os import *
import time
import os
OS.system('clear')
SB = open("Sender-Buffer.txt", "a+")
RB = open("Receiver-Buffer.txt", "r+")
SB.truncate(0)
RB.truncate(0)
ws = int(input("Enter window size: "))
s = input("Enter Input String: ")
s = list(s)
if (ws < len(s)):
    for i in range(0, len(s), ws):
        p = s[i:i+ws]
        y = s[i+ws:i+ws+ws]
        print("Sent -> " + str(p))
        time.sleep(2)
        print("Sending -> ", str(y))
        x = 0
        while (x < ws):
            time.sleep(2)
            if (len(p) > x):
                print("Ack~!", p[x], "!")
                RB.write(p[x])
                time.sleep(1)
            if (len(y) > x):
                print("Sending -> ", y[x])
```

```

80 write (y[x])
x += 1
else:
    print (" -> The window size is too large")

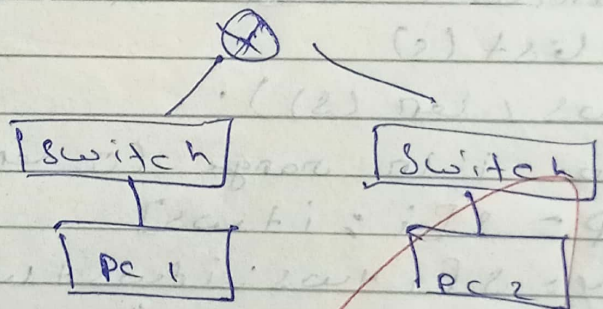
```

Aim:-

Setup and configure a router to enable communication b/w two networks in Cisco Packet Tracer.

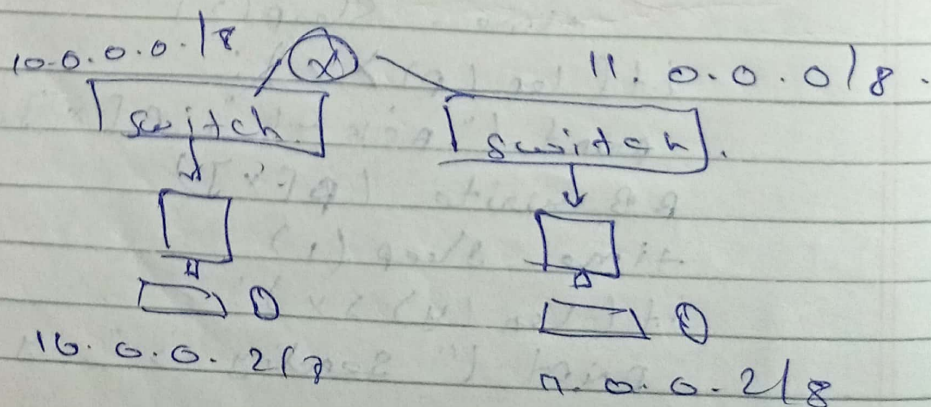
1 -> Drag & drop 2p, 2 switch and router in workspace.

connect every component as shown below.



3 -> configure ip to all component.

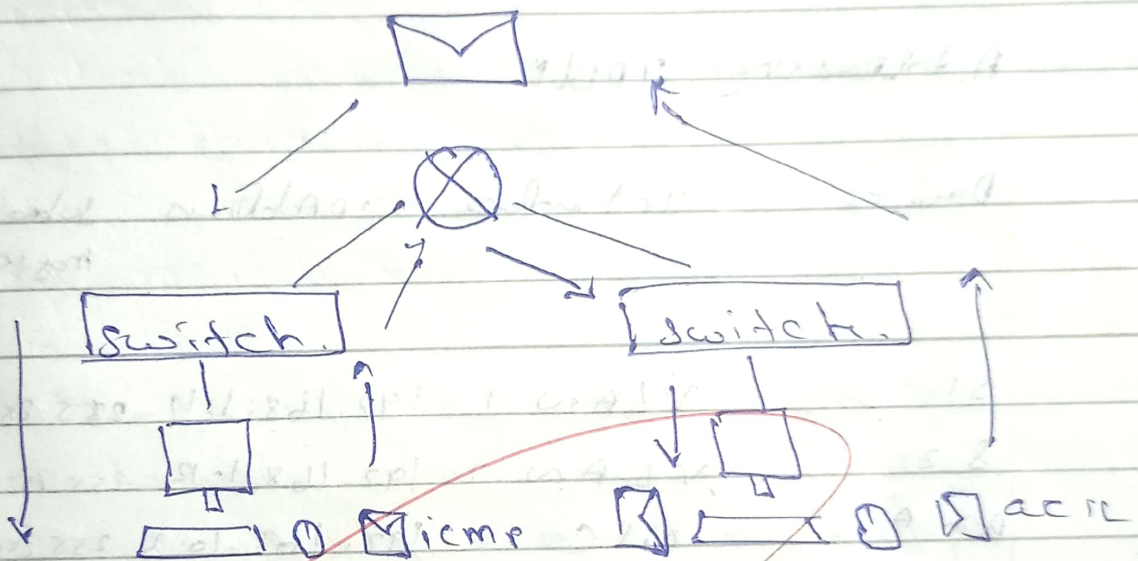
use also id 10.0.0.0/8 for a LAN and 11.0.0.0/8 for another LAN





8.10.11

A → give gateway address  
B → A → configure on all ports and  
establish connection  
use ping command to check connection.  
bl → then.



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