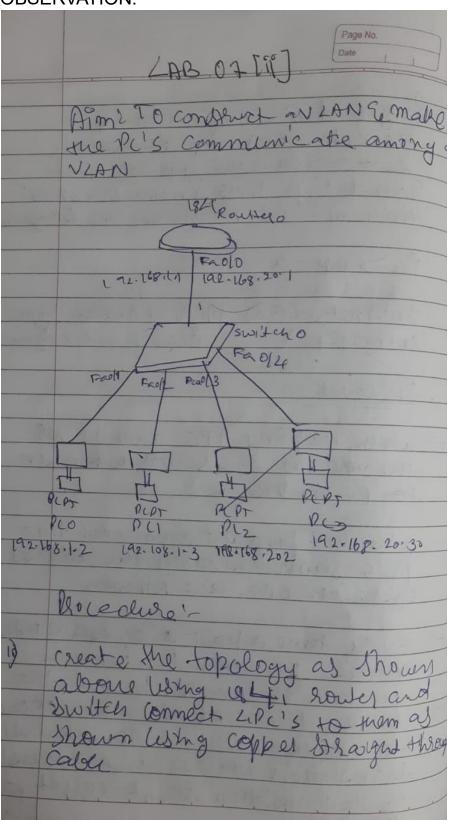
LAB9

To construct a VLAN and make a pc communicate among VLAN.

OBSERVATION:



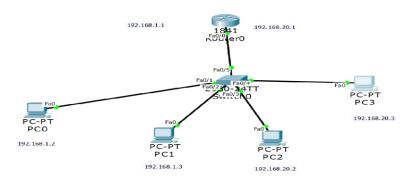
Page No. we use class (addressing here) set i Packdress Egate ways as follow & PCO 'Paddress = 192.168.1.2 Galewa: 192.168.1.1 Pa 18->192.168.1.3 Crateway: 192.168.1.1 1P-2 192.168.20.2 Gateway: 192.168.20-1 Grateway: 192'LK1 201 IP-) 192.168-20.3 abstration. we can ling each and every douce to the oxice clerica so we can observe that wireless connection is done accessfully when congrection is established there 18 stripped lines connecting across point or and end dewices. Groto confirm tale of switch open VLAN database Set VLAN number = 20 VLAN name = NEW VLAN click on gold I In Switch go to fast ethernol Slo and connect of to route.

and configure it. Solect Brushe and choose 20, Now VIDN -) For Fally and Pa 0/4 below 10, New LAN and peop access as open config tale in souty, goto ULAN dotalogue pale VZAN no 10 In houter goto (L2 mode faolo Router (conforg) # 1'P goldres 192-168-1. 255-255-0 Router (config) the no shir '
Router (config) the unterface gastellast 0/0.1 Rounter (confing)# encapsulation dot 1920 11 11 n # Padelrass 192-163 - 20. | 255. 255. 255. # no shut # encit. Ping output PC >ping 192. 168,20,2

Page No. Physing 192.168.20 2 with 32 Request thread out Reply from 192-168-20-2 bytes=32 time some Ping Statistics por 1912-168,2002 Packets Sent = 4 Rec'oved = 3 lost = 1 (25% loss) Approximate hound trip in mg Min =0 ms Hanc = 2ms Average = ons Observation 19/8/223 -) We can observe that after VZAN is configurace we can successfully plang PC2 (192 . 168 - 20 12 | From PCO(192'168.1.2) -> PCZ and PC3 are grouped together and commencation among them is done via VIAN 192,168,20. 1 1U a oub unterface olo , 1 hours.

TOPOLOGY:





OUTPUT:

```
PC0
                                                        X
 Physical
            Config
                     Desktop
                                 Custom Interface
  Command Prompt
  Packet Tracer PC Command Line 1.0
  PC>ping 192.168.20.3
  Pinging 192.168.20.3 with 32 bytes of data:
  Request timed out.
  Reply from 192.168.20.3: bytes=32 time=0ms TTL=127 Reply from 192.168.20.3: bytes=32 time=5ms TTL=127
  Reply from 192.168.20.3: bytes=32 time=0ms TTL=127
  Ping statistics for 192.168.20.3:
       Packets: Sent = 4, Received = 3, Lost = 1 (25%
  Approximate round trip times in milli-seconds:
       Minimum = 0ms, Maximum = 5ms, Average = 1ms
  PC>
<
```

