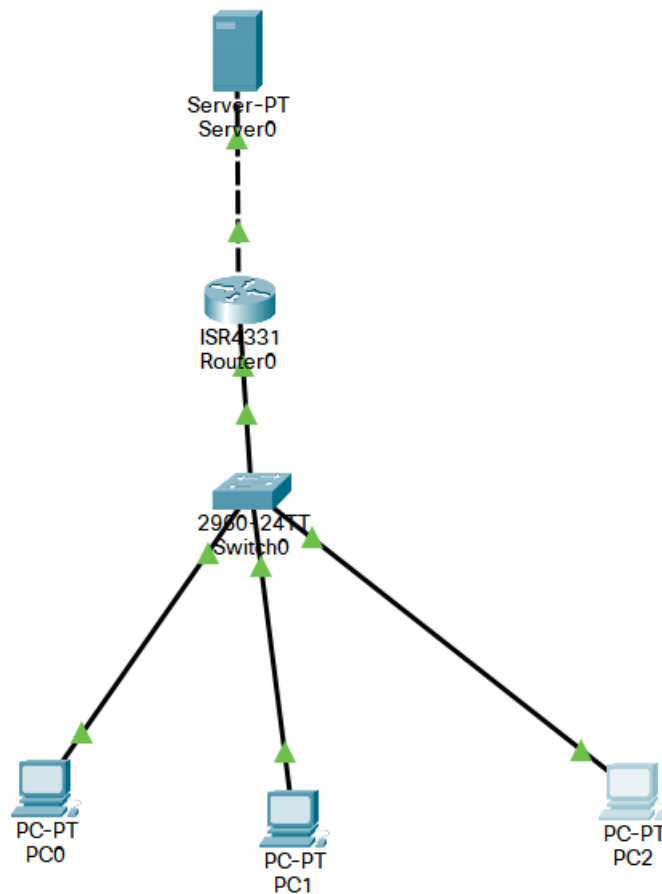# SET 6

Network ID: **199.8.213.180**
Subnets Required: **3**

1. Answer the following questions for the parameters given above:

   i.   Subnet No(Which subnet the given IP address belongs to)
   ii. Subnet Mask
   iii. No of Usable Host in each subnet
   iv. No of address possible in the network
   v.   Network address
   vi. Broadcast address

2. Implement the application layer protocol FTP by assigning IP addresses mention in first question.

Connect and put:

```
220- Welcome to PT Ftp server
Username:cisco1
331- Username ok, need password
Password:
230- Logged in
(passive mode On)
ftp>put hello.txt

Writing file hello.txt to 10.10.10.2:
File transfer in progress...

[Transfer complete - 23 bytes]
```

Check:

```
14  : c2950-i6q4l2-mz.121-22.EA4.bin                      3058048
15  : c2950-i6q4l2-mz.121-22.EA8.bin                      3117390
16  : c2960-lanbase-mz.122-25.FX.bin                      4414921
17  : c2960-lanbase-mz.122-25.SEE1.bin                    4670455
18  : c2960-lanbasek9-mz.150-2.SE4.bin                    4670455
19  : c3560-advipservicesk9-mz.122-37.SE1.bin             8662192
20  : c3560-advipservicesk9-mz.122-46.SE.bin              10713279
21  : c800-universalk9-mz.SPA.152-4.M4.bin                33591768
22  : c800-universalk9-mz.SPA.154-3.M6a.bin               83029236
23  : cat3k_caa-universalk9.16.03.02.SPA.bin              505532849
24  : cgr1000-universalk9-mz.SPA.154-2.CG                 159487552
25  : cgr1000-universalk9-mz.SPA.156-3.CG                 184530138
26  : hello.txt                                           23
27  : ir800-universalk9-bundle.SPA.156-3.M.bin            160968869
28  : ir800-universalk9-mz.SPA.155-3.M                    61750062
29  : ir800-universalk9-mz.SPA.156-3.M                    63753767
30  : ir800_yocto-1.7.2.tar                               2877440
31  : ir800_yocto-1.7.2_python-2.7.3.tar                  6912000
32  : pt1000-i-mz.122-28.bin                              5571584
```

Get :

```
ftp>get hello.txt

Reading file hello.txt from 10.10.10.2:
File transfer in progress...

[Transfer complete - 23 bytes]

23 bytes copied in 0 secs
ftp>
```