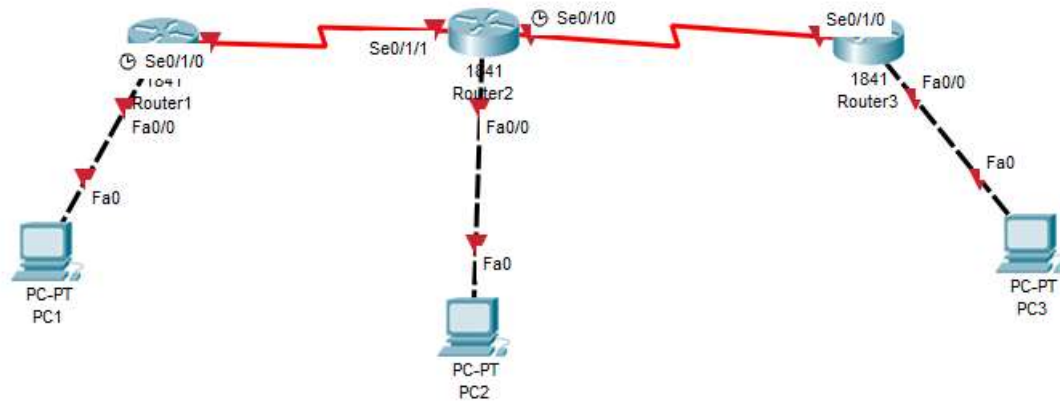


Routing and Switching – IE2020
2nd Year, 1st Semester
2020

Work Sheet 1

Static & Default Routing Configurations



1. Name Routers as R1, R2 and R3 respectively.
2. IP plan for the above network.
LAN1, LAN2, LAN3 => 192.168.100.0/26, 192.168.100.64/26, 192.168.100.128/26
R1- R2 => 192.168.100.192 /30
R2- R3 => 192.168.100.196 /30
3. Configure the Serial and Ethernet interfaces of routers.
4. Assign clock rate as 64000.
5. Configure the PC's. (IP address, Subnet Mask and Default Gateway)

```
R1
Se0/1/0 192.168.100.193
Fa0/0 192.168.100.1

R2
Se0/1/1 192.168.100.194
Se0/1/0 192.168.100.197
Fa0/0 192.168.100.65

R3
Se0/1/0 192.168.100.198
Fa0/0 192.168.100.129
```

6. Use 'ping' command to check the connectivity.
7. Assign Static Routes to R2 and Default Routes all other routers.
8. Check the connectivity again.