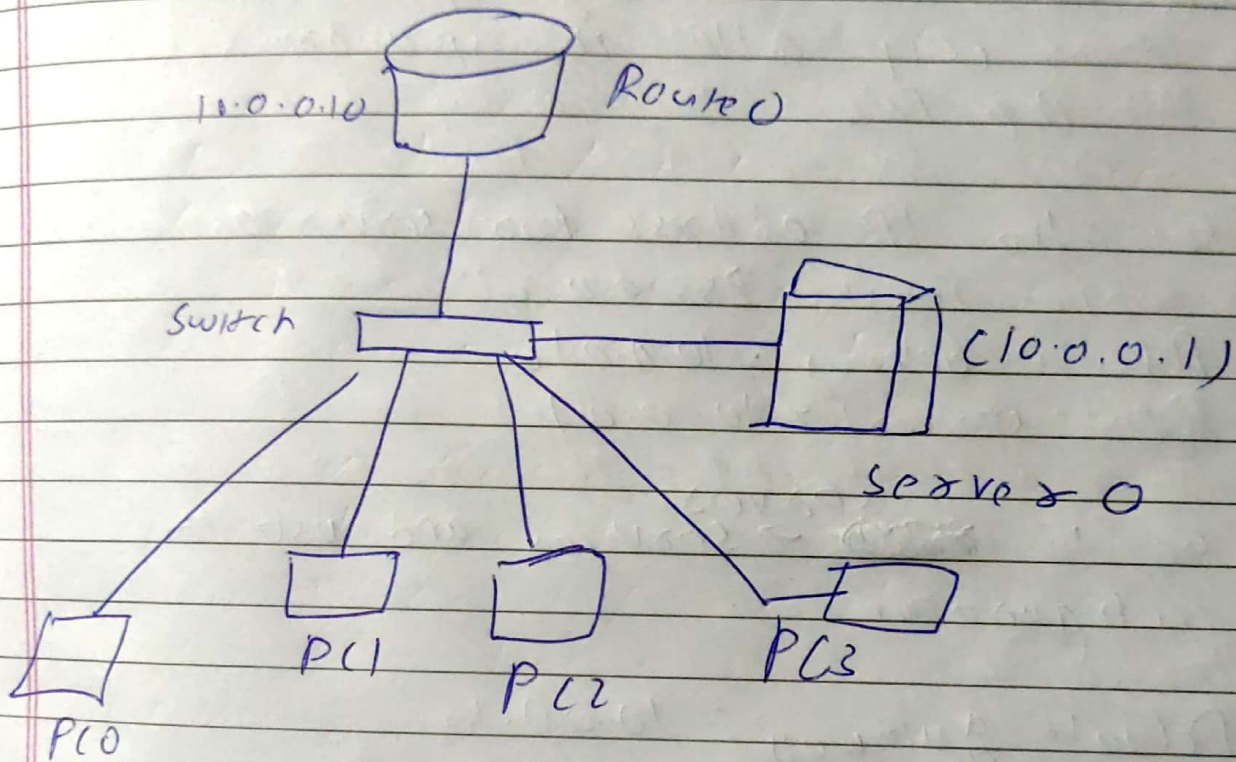4)
b) Configuring DHCP within a LAN
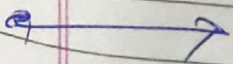

→ Connect PC0, PC1, PC2, PC3 to switch

→ Connect the server to switch

→ Connect the Router to the switch

Configure

→

=) Set Normal default gateway for routes
as 10.0.0.10 using CLI

=) For PC's don't set any ip addresses as
server will allot the ip addresses to
all the PC's

=) Set the IP address for server as 10.0.0.1
Subnet mask = 255.0.0.0
Default Gateway = 10.0.0.10
DNS server = 10.0.0.1

=) Go to ~~server~~ server → services and use this
configuration

Default gateway: 10.00.10
DNS server: 10.0.0.1
Start IP address: 10.0.0.11
Subnet: 255.0.0.0
Maximum users: 100
TFTP server: 10.0.0.1

=) Now, go to PC → desktop → IP configuration
Select DHCP the instead of
Static. The server will then allot an
IP address for PC (for all PC's)

. Observation

=) All PC's are alloted different IP address
starting from 10.0.0.11 which will be allocated
by the server for specified layers