Ex No: 10

AIM)

(a) Internetworking with routers in CISCO Packet tracer simulator

(b) Design and Configure an internetworking using router DHCP server and internet

Student Observation:

1. Write down key features of configuring wireless router and DHCP server

→ Access the router's configuration page

→ Enter admin username and password

→ Enable DHCP server.

→ Configure DNS server.

2. Significance of DHCP server in internetworking

→ Automated IP address allocation

→ No duplicate IP addresses

→ Supports large-scale networks

3) Design and configure internetworking using switch router cables. Also show IP address of each device

b) Procedure

1. Arrange the PC & laptop in the page
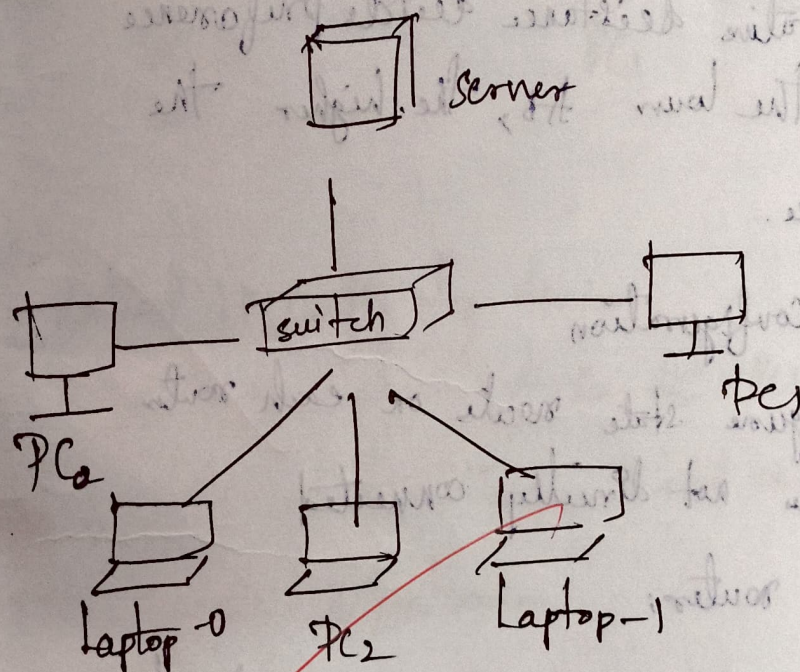2. Assign IP address

Server - 10.0.0.1

PC0 - Desktop - DHCP

Laptop 0 - Desktop - DHCP

PC1 - Desktop - DHCP

Laptop 1 - Desktop - DHCP

PC2 - Desktop - DHCP

Diagram

O/P:
Ping Laptop 0 to PC2

Result
Thus the configuration DHCP has
been successfully executed and the O/P is verified