

Exp. No: 10.

INTERCONNECTED NETWORK USING DHCP SERVER

Aim: Design and configure an internetwork using DHCP server.

Student Observation:

Write down the key features of configuring router and DHCP server.

1. Router configuration on:

→ Enabling DHCP server to automatically assign IP addresses to devices.

→ Providing connection to the devices.

DHCP server configuration:

→ Automatic IP address assignment for device joining the network.

→ Setting up pool ranges for dynamic IP addresses.

→ Configuring default gateway.

2) What is the significance of DHCP server in internet working

A Dynamic Host configuration protocol server simplifies IP

* Automated IP Address allocation.

* No duplicate IP Addresses

* Support large-scale networks.

Result:

Thus the experiment was done successfully and the output was verified.