**Experiment 06**

Title: - Performing TELNET Configuration using cisco packet tracer.

Objective: - TELNET Configuration on CISCO Catalyst 2960 switch and 1941 router

Theory:-

Topology



•**What is telnet?**

Telnet is a network protocol used to virtually access a computer and to provide a two-way, collaborative and text-based communication channel between two machines.

It follows a user command Transmission Control Protocol/Internet Protocol (TCP/IP) networking protocol for creating remote sessions. On the web, Hypertext Transfer Protocol (HTTP) and File Transfer Protocol (FTP) simply enable users to request specific files from remote computers, while, through Telnet, users can log on as a regular user with the privileges they are granted to the specific applications and data on that computer.

**How Telnet works**

Telnet is a type of client-server protocol that can be used to open a command line on a remote computer, typically a server. Users can utilize this tool to ping a port and find out whether it is open. Telnet works with what is called a virtual terminal connection emulator, or an abstract instance of a connection to a computer, using standard protocols to act like a physical terminal connected to a machine. FTP may also be used along with Telnet for users working to send data files.

Users connect remotely to a machine using Telnet, sometimes referred to as Telnetting into the system. They are prompted to enter their username and password combination to access the remote computer, which enables the running of command lines as if logged in to the computer in person. Despite the physical location of users, their IP address will match the computer logged in to rather than the one physically used to connect.

**How to configure telnet on cisco router?**

* To configure ip address in router
* To set privilege mode password on router
* To configure telnet
* How to access ciscorouter via telnet

**•Assign IP address to all computers**

–Pc1:-10.0.0.2

–Pc2:-10.0.0.3

–Pc3:-10.0.0.4

•Put default gateway 10.0.0.1-(address of router)

**To configure ip address on router**

–Router>

–Router>enable

–Router#configureterminal

–Router(config)#interface gigabitEthernet0/0

–Router(config-if)#ipaddress 10.0.0.1 255.0.0.0

–Router(config-if)#no shutdown

**To set privilege mode password on router**

–Router(config-if)#exit

–Router(config)#enable password 123456

–Router(config)#exit

**To configure telnet**

–Router(config)#line vty0 4

–Router(config-line)#password cisco

–Router(config-line)#login

–Router(config-line)#exit