LAB 1

AIM: Configuration and Verification of user Authentication on a Cisco Router and Switch using local username-password Authentication.

Step1: Assigning IP Addesses and configuring Router.

Step2: Configuring hostname and password in Router: -

hostname CNRouter

enable password cisco

ip domain-name cisco.com

username Admin password cisco

Step3: Generating Crypto Keys using RSA: -

crypto key generate rsa

1024

Step4: Config line vty and enable SSH

* line vty 0 15

CNRouter(config-line)# login local

CNRouter(config-line)# transport input ssh

CNRouter(config-line)# exit

CNRouter(config)# ip ssh version 2

Step4: Test SSH connection from PC (in Command Prompt)

* ssh – l Admin IP\_Address\_of\_Router
* (Type Password, i.e; “cisco”)