

1057

B. Voc. (Hardware and Networking)

Fourth Semester

HWN-404: Network Administration and Troubleshooting

Time allowed: 3 Hours

Max. Marks: 40

NOTE: Attempt five questions in all, including Question No. 1 which is compulsory and selecting one question from each Unit.

x-x-x

I. Write a note on the following terms:

- a) Cisco IOS file system
- b) Xmodem
- c) Netstat command
- d) SDM Monitor Mode

(4x2)

UNIT – I

- II. Define Cisco IOS and state its different command modes. Also, explain the router boot sequence steps? (8)
- III. How the process below takes place, write commands with proper explanation:
 - a) Backing up the Cisco IOS software to the TFTP server
 - b) Restoring/Upgrading the Cisco IOS software from a TFTP server (8)

UNIT – II

- IV. What is a configuration register? Also state the following:
 - a) Its representation
 - b) Bits mean
 - c) Boot field meaning (8)
- V. State the procedure to recover password for Cisco routers. Explain with proper steps and commands. (8)

UNIT – IV

- VI. Define Cisco Discovery Protocol (CDP). What are the different CDP commands used for troubleshooting? (8)
- VII. Explain the following terms:
 - a) IP http server command
 - b) Debug command (8)

P.T.O.

(2)

UNIT – IV

- VIII. Explain Security Device Manager (SDM). Write the commands to connect SDM using Command Line Interface (CLI) and Graphical User Interface (GUI). (8)
- IX. Perform the below actions using SDM to configure:
- a) A router to act as a DHCP Server
 - b) An interface as a DHCP Client
- (8)

x-x-x