

2056

B. Voc. (Hardware and Networking)

Fourth Semester

HWN-404: Network Administration and Trouble Shooting

Time allowed: 3 Hours

Max. Marks: 40

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

x-x-x

I. Write a note on the following terms:-

- a) IP http server command
- b) Xmodem
- c) TFTP
- d) Command modes of Cisco IOS (4x2)

UNIT - I

II. Describe the Cisco IOS file system. Explain different file systems used in Cisco devices and their roles in storing IOS and configuration files. (8)

III. Discuss the procedure to restore IOS software using Xmodem from ROM Monitor mode. Include the steps, commands and limitations of using Xmodem transfer. (8)

UNIT - II

IV. Explain the concept of console line speed settings in both CLI mode and ROM Monitor mode. Compare their configurations and uses. (8)

V. Explain the password recovery procedure for Cisco switches. Highlight the differences compared to router password recovery. (8)

UNIT - III

VI. What are Routing tables? Explain how to view and interpret the routing table in a network device. (8)

VII. Describe how Cisco Discovery Protocol (CDP) can be used for troubleshooting. Include relevant commands and the type of information obtained. (8)

P.T.O.

(2)

UNIT - IV

- VIII. Explain how to configure a router as a DHCP server and DHCP client using SDM. Include key steps and parameters involved. (8)
- IX. Discuss the procedure to configure NAT/PAT using SDM. Explain how SDM simplifies address translation configuration. (8)

x-x-x