

Exam Code: 1310

Sub. Code: 9238

2071

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) Command modes of Cisco IOS
 - b) ROM monitor mode
 - c) SDM configuration NAT/PAT
 - d) IP HTTP server command and netstat command (4x2)

UNIT - I

- II. Discuss boot system commands associated with IOS software. (8)
- III. Discuss the commands to perform the following operations, write commands with proper explanation:
- a) Backing up the IOS software to a TFTP server
 - b) Restoring the IOS software from ROM Monitor mode using Xmodem. (4x2)

UNIT - II

- IV. Discuss the procedure for password recovery for routers and switches with proper steps and commands. (8)
- V. Explain the role and uses of configuration register in detail. (8)

UNIT - III

- VI. Explain:-
- a) Operating system IP verification commands
 - b) Show controllers command (4x2)
- VII. Define Cisco Discovery Protocol. Also explain all the CDP commands used for troubleshooting. (8)

P.T.O.

(2)

UNIT - IV

VIII. Write short note on :-

a) SDM monitor mode.

b) Configuration of a router as DHCP server and client using SDM (2x4)

IX. Explain SDM user interfaces to configure interface and routing. (8)

x-x-x