

2055

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

Q1. Write a note on the following terms:

- (i) Xmodem
- (ii) TFTP
- (iii) Netstat command
- (iv) SDM connecting with CLI and GUI

4x2

UNIT I

Q2. Discuss boot system commands associated with IOS software.

8

Q3. How the process below takes place, write commands with proper explanation:

- a) Restoring and Backing up IOS using TFTP server
- b) Restoring IOS software from ROM Monitor mode

8

UNIT II

Q4. Explain the significance of configuration register along with importance of the boot field in routers.

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Q5. Write short note on:

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- a) Password recovery for routers and switches
- b) CLI and ROM Monitor mode

UNIT III

Q6. Define Cisco Discovery Protocol (CDP). Explain CDP commands for troubleshooting?

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Q7. Discuss following:

- a) IP http server command
- b) Operating system IP verification commands.

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UNIT IV

Q8. Write step by step process of dynamic and static NAT configuration using SDM.

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Q9. Write short note on:

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- a) DHCP server
- b) DHCP client

x-x-x