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Total No. of Questions : 09]

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**B.Tech. (Sem. - 6<sup>th</sup>)**

**NETWORK OPERATING SYSTEM**

**SUBJECT CODE : IT - 308**

**Paper ID : [A0522]**

[Note : Please fill subject code and paper ID on OMR]

**Time : 03 Hours**

**Maximum Marks : 60**

**Instruction to Candidates:**

- 1) Section - A is **Compulsory**.
- 2) Attempt any **Four** questions from Section - B.
- 3) Attempt any **Two** questions from Section - C.

**Section - A**

**Q1)**

**(10 x 2 = 20)**

- a) Explain in brief the term NTHQ.
- b) What are major roles performed by Messaging & RAS Servers?
- c) How Partitions and Volumes are related to each other?
- d) What are the disadvantages of TCP/IP?
- e) Discuss in brief the role of Master browser.
- f) What is the role of Access Tokens in security?
- g) Explain in brief the main characteristics of a good Naming Conventions while administering a network.
- h) Discuss the role of Print Driver & Print Router.
- i) Explain in brief about ATM Reference Model.
- j) Write the important features of FDDI Technology.

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**Section - B**

(4 x 5 = 20)

- Q2)** Write a detailed note on evolution of Ethernet Technology.
- Q3)** Explain various methods which you can adopt to improve the network performance.
- Q4)** Discuss in detail the System Policies used in WindowsNT 4.
- Q5)** Give the steps to create Stripe Sets with Parity.
- Q6)** Discuss the different types of Licensing policies which can be used while purchasing WindowsNT 4 depending upon your requirements.

**Section - C**

(2 x 10 = 20)

- Q7)** Explain all the steps in designing the logical network by taking suitable example.
- Q8)** Discuss the steps involved in Managing different types of Groups by taking suitable example.
- Q9)** Write short notes on following :
- (a) Need for ATM Networks.
  - (b) Remote Administration.

