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Total No. of Questions : 09]

[Total No. of Pages : 02

**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 × 2 = 20)**

- a) What is NDIS?
- b) Differentiate between WINNT and WINT32.
- c) What is SLED?
- d) What is volume set?
- e) Why ATM cell is of fixed size?
- f) List two important benefits of FDDI.
- g) List two differences between Internet and Intranet.
- h) What are SIDs?
- i) What is Registry?
- j) What are the disadvantages of TCP/IP?

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**Section - B**

(4 × 5 = 20)

- Q2) Explain the important features of Windows NT.
- Q3) What are hardware requirements for Windows NT?
- Q4) Explain the meaning of various fields of Ethernet protocol.
- Q5) How do you schedule events in Windows NT server? Explain in brief.
- Q6) List the steps involved in disaster recovery and backup in Windows NT server.

**Section - C**

(2 × 10 = 20)

- Q7) What is ATM? Explain the meaning and purpose of various planes and layers of ATM reference model.
- Q8) Describe the Windows NT service architecture and security architecture.
- Q9) Write short notes on the following :
- (a) Performance tuning.
  - (b) Remote Access Services.

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