

**2005-PUNJAB TECHNICAL UNIVERSITY**

**B.E / B.TECH DEGREE EXAMINATION**

**NETWORK OPERATING SYSTEM**

**(INFORMATION TECHNOLOGY)**

**TIME-3HOUR  
MARKS-100**

**ANSWER ALL QUESTIONS.**

**PART-A [1082=20 MARKS]**

- (a) List hardware requirements for Win-NT
- (b) Which all software can be installed on Win-NT Server? Give any five.
- (c) What is the difference between a server and a client?
- (d) What is Ethernet used for?
- (e) Give main advantage of FDDI.
- (f) What is meant by remote access services?
- (g) What is Telnet used for?
- (h) What is primary domain controller?
- (i) How is work group configured on Win-NT server?
- (j) Which operating system was launched after Win-NT?

**PART-B [5\*16=80 MARKS]**

- 2 (a) What are the role and responsibilities of network administration?  
or
- (b) What kind of licensing is required by Win-NT server and clients?
- 3 (a) What is a network protocol? Explain the network model used by win-NT?  
or
- (b). How are backups maintained by Win-NT server?
- 3. analyze the performance of FDDI and Ethernet.
- 4 (a) Explain the Win-NT Service and Security Architecture.  
or
- (b) Discuss the ATM technologies for networks.
- 5 (a) Which file system is used in Win-NT? Explain.  
or
- (b) What is meant by distributed file system?