Exam. Code : 303502
Subject Code : 6633

PGDCA Semester–II

NETWORK CONCEPTS & MANAGEMENT
(Hardware, Software, Setting in Linux/Unix/NT Environment)

Paper–I

Time Allowed—3 Hours]　　　　[Maximum Marks—50

Note : Attempt any **five** questions. Each question carries equal marks.

1. What are the typical hardware and software requirements of a compter network ? How Local Area Network (LAN) is different from Wide Area Network (WAN) ?

2. Compare OSI reference model with TCP/IP model.

3. Write short notes on the following :

    (a) ISDN

    (b) ATM.

4. What do you mean by cryptography ? What are the different techniques of cryptography ? Explain any one in detail.

5. Explain IP addressing schemes in detail.

6. Explain the following in relevance to Windows NT Server :

    (a) Primary Domain Controller

    (b) Backup Domain Controller.

7. What do you mean by file system ? Explain the structure of Unix file system.

8. What are the basic functions of shell ? Explain the different types of shells used in UNIX operating system.