

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 computer 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.

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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.

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