

Roll No.

Total Pages : 2

BT-4/M-21

44152

INTERNET TECHNOLOGY AND MANAGEMENT

Paper-PC-CS-204A

Time : Three Hours]

[Maximum Marks : 75

Note : Attempt *five* questions in all, selecting at least *one* question from each unit. All questions carry equal marks.

UNIT-I

1. Give an introduction to the Internet and its history. Specify the distinction between Internet, Intranet and Extranet. What are the various modes of connecting to the Internet?
2. Answer the following questions in brief :
 - (a) What is the role of ISPs in the Internet?
 - (b) Describe the addressing hierarchy used in the Internet.
 - (c) Explain the purpose of DNS in the Internet.

UNIT-II

3.
 - (a) What is the role of HTTP and Web Browsers in the World Wide Web? Name some common Web Browsers in use nowadays and give details of any two.
 - (b) Explain in detail how searching is carried out in WWW using search engines.

4. Give a brief description of the following :
- (a) Telnet and FTP.
 - (b) HTML.
 - (c) TCP/IP.

UNIT-III

5. (a) What are the various components of E-mail architecture? Describe the protocols used in E-mail. What is MIME? List the headers defined by MIME.
- (b) What is the advantage of using mailing lists? How does the newsgroup service differ from the mailing list facility?
6. (a) What is the basic structure of HTML documents? List some important tags used in HTML along with their purpose.
- (b) Provide a brief introduction of XML, DHTML, and JavaScript along with the purpose for which they are used.

UNIT-IV

7. What are Web Servers? Describe the accessing and using of any *one* server of your choice.
8. (a) Describe the various encryption schemes than can be used to secure data.
- (b) What is the purpose of Digital Signatures and Firewalls in Internet security?