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.

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- **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?

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