June - July 2007

Bachelor of Computer Application (BCA) Examination
II Semester

Introduction to Internet

Time : 3 Hours]   [Max. Marks : 50

Note : *Attempt all five questions. All questions carry equal marks.*

1. (a) Discuss the problem associated with broadcast networks which MAC sublayer of data link layer solves. Explain the various strategies to solve that problem statically.

    (b) What is Internet ? What do you mean by the statement "Internet has grown in a bottom-up fashion" ?

    OR

    (a) Explain the various ways to get an Internet Connection at your home and your organisation.

    (b) Briefly describe the major internet applications along with the protocol working behind each of them.

2. (a) Describe the following terms :
    router, gateways, port number, IP address.

    (b) What are three major components of a URL ? Explain with the help of suitable examples.

    OR

    (a) What are internet backbones and NAPs in internet terminology ?

    (b) What is the role of DNS servers in navigating web or while sending an e-mail ?

3. (a) Define www. What do you mean by the statement "www operates in a stateless environment" ?

    (b) How SMTP works ? What could be the possible reasons for bouncing of mails ?

    OR

    (a) How FTP works ? Explain few FTP commands also.

    (b) Differentiate SMTP and NNTP.

    (c) Write few common response codes of HTTP request.

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4.   (a)   Differentiate the following :

         (i) FTP and Telnet.   (ii) HTTP and Gopher.

     (b)   Explain the concept of Anonymous FTP with the help of an example. ,

OR

Describe the following :

WIAS, Internet Chatting, Internet Phone.

5.   What"are the essential feature of any web browser ? Name a few popular web browser with their unique characteristics.

OR

Write the essential features of outlook express.

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