CERTIFICATE IN INFORMATION TECHNOLOGY (CIT)

02047

Term-End Examination

June, 2010

CIT-003 : WEB BASED TECHNOLOGY AND MULTIMEDIA APPLICATIONS

Time : 2 hours   *Maximum Marks : 50*

(Weightage : 75%)

Note : There are *two* sections in this paper– section A and B . All the questions from **section-A** are **compulsory**. Attempt **any three** questions in **section-B** out of **4 questions**.

SECTION - A

1. In the following objective type questions, each   **10**
    question has four choices, select the correct choice
    as your answer. If none of the given choices is
    correct then select 0 as your answer. Each
    objective type question carries one mark. Indicate
    your answer in answer sheet.

    (a) A Wiki can be used to create :

    (i)   a chat group

    (ii) community resource

    (iii) an email server

    (iv) all of the above

(b) The part of email address that falls after @ identifies the :

    (i)   user name

    (ii)   user ID on mail server

    (iii) the mail server

    (iv) the Website address

(c) Searching for term **"Distance Learning"** using a search engine will give same result if you use the search expression as :

    (i)   Distance OR Learning

    (ii)   Distance AND Learning

    (iii) Distance Learning

    (iv) All of the above

(d) Which of the following is a valid IP address :

    (i)   192.168.254.254

    (ii)   192.1.1.1.0

    (iii) 25.2.3

    (iv) 192.256.257.1

(e) To include hardware devices that are not supported by the operating system, you need to install :

    (i)   Active -x controls

    (ii)   Quick time

    (iii) Flash

    (iv) DLLS

(f) This picture format stores the pictures using objects like lines, curves etc. This format is called :

(i) Bitmap image format

(ii) Mpeg image format

(iii) Vector image format

(iv) CAD picture format

(g) A virtual practical laboratory is an example of :

(i) Story - board

(ii) Simulation

(iii) Multimedia tutor

(iv) Learning management tool

(h) A frames page consists of :

(i) HTML pages   (ii) Java script

(iii) Frames   (iv) PHP program

(i) CSS are used for creating :

(i) Dynamic web-sites

(ii) Static web-sites

(iii) Any website

(iv) None of the above

(j) The main building block of HTML document is :

(i) Title   (ii) Text

(iii) Graphics   (iv) Links

2. How does a search engine locate the information 5 that you are looking for ? Explain with the help of an example.

3. Define the following terms in the context of web 5 design and multimedia, giving one use of each, if applicable :

(a) XML

(b) <marquee> tag

(c) MIDI

(d) AVI

(e) GIF

SECTION - B

*Attempt **any three** questions out of given **four** questions :*

4. (a) Explain five applications of multimedia technology in an office.   5

 (b) List any five types of fields that can be used in forms. Explain the usefulness of each with the help of an example.   5

5. (a) What is a browser software ? List at least 8 features/facilities of any browser.   5

 (b) Explain the process of production of multimedia with the help of an example.   5

6. (a) What are frames ? How can they be used in web page design ? Explain with the help of an example. How are frames different to <div> tag ?   5

 (b) What is TCP/IP ? How is it useful for Internet ? What is an IP address ? How can it be related to a URL ? Explain with the help of an example.   5

7. Define the following term/phrase, giving one advantage of it :   10

   (a) http
   (b) Meta tags
   (c) News group
   (d) LISTSERV
   (e) Anchor node
   (f) Sound card
   (g) MPEG
   (h) Thumb nail
   (i) DOM
   (j) Scripting languages