CIT-003

CERTIFICATE IN INFORMATION TECHNOLOGY (CIT)

Term-End Examination

February, 2021

CIT-003 : WEB-BASED TECHNOLOGIES AND MULTIMEDIA APPLICATIONS

Time : 2 hours   *Maximum Marks : 50*

(Weightage : 75%)

Note : *There are two sections in this paper, Section A and Section B.* ***All*** *the questions from Section A are* ***compulsory****. Attempt any* ***three*** *questions from Section B.*

SECTION A

1. In the following objective type questions, each question has four choices. Select the correct choice as your answer. If none of the given choices is correct, then select 0 (zero) as your answer. Each objective type question carries 1 mark. Write your answer in the answer sheet. *10×1=10*

   (a) A multimedia machine in addition to a powerful processor requires _____ memory capacity and _____ processing capability.
      (i) High, graphics
      (ii) High, video
      (iii) Low, video
      (iv) Low, audio

(b) These multimedia applications require use of multimedia in product promotion, customer information, forms. The above statement is referring to _____ area of multimedia applications.

    (i) Entertainment

    (ii) Edutainment

    (iii) Business Communications

    (iv) Public Access

(c) A _____ is a record of the nodes that a user has accessed in viewing a hypertext network.

    (i) Multimedia

    (ii) Browser

    (iii) Trails

    (iv) Program

(d) Which of the following tags of HTML is a comment tag ?

    (i) <p>

    (ii)

    (iii) <hr>

    (iv) <!– –>

(e) _____ is one of the popular client-side scripting languages.

   (i) Java

   (ii) JavaScript

   (iii) HTML

   (iv) XHTML

(f) Forms in Web designing are used for _____ of data.

   (i) Output

   (ii) Processing

   (iii) Storage

   (iv) Input

(g) The _____ protocol on Internet is used for transfer of files.

   (i) FTP

   (ii) VPN

   (iii) ARP

   (iv) TELNET

(h) Which of the following is a valid IPv4 address ?

   (i) 256.0.0.0

   (ii) 10.10.68.1

   (iii) – 5.0.5.0

   (iv) 0.0.257.0

(i) Which of the following is a browser software ?

    (i) PHP processor

    (ii) Google Search

    (iii) Mozilla Firefox

    (iv) Java

(j) _____ is a special folder/link that stores all the unsolicited emails like junk mails.

    (i) Trash

    (ii) Extra

    (iii) Draft

    (iv) Spam

2. Answer the following questions :

(a) What is the role of web server ? List the names of two popular web servers. *3*

(b) What is the role of Spidering and Indexing in the context of a search engine ? *3*

(c) Explain the role of Textbox and Radio buttons with the help of an example, in the context of a form. *2*

(d) What are the advantages of using multimedia for education ? *2*

SECTION B

3. (a) Explain the role of DNS with the help of an example, in the context of Internet. *3*

(b) Explain the role of TCP/IP in the Internet. *4*

(c) What are the advantages of using Contacts book in an e-mail software ? Explain with the help of an example. *3*

4. (a) Explain the uses of multimedia in *5*

(i) Business

(ii) Medicine

(b) Differentiate between the following : *5*

(i) Bitmap images and Vector images

(ii) **.**wav files and MIDI

5. (a) What is the role of scripting in Web designing ? What features should be supported by scripting languages ? *4*

(b) What is the purpose of using frames in Web designing ? *3*

(c) List the tags of HTML that are required to create a table. Also give the purpose of each of these tags. *3*

6. Explain any *five* of the following with the help of an example/diagram, if needed : *5×2=10*

(a) Search Engine

(b) HTTP

(c) DHTML

(d) MPEG

(e) CD-ROM

(f) Firewall

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