CERTIFICATE IN INFORMATION TECHNOLOGY (CIT)

Term-End Examination

June, 2023

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 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 are correct, then write 0 (zero) as your answer. Each objective type question carries 1 mark. Write your answers in the answer sheet :   10×1=10

(a) .... allows you to publish your contents regularly about certain topic or area of interest of your choice.

   (i)   Web page

   (ii) Blog

   (iii) Book

   (iv) Newspaper

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

   (i)   34.256.1.3

   (ii) 00.00.00

   (iii) 217.1.1.256

   (iv) 10.217.1.210

(c) If you are searching for webpages consisting of word 'Artificial' and

'Intelligence', then which of the following search terms will give you best results ?

(i) Artificial OR Intelligence

(ii) Not Artificial OR Intelligence

(iii) Artificial AND Intelligence

(iv) Artificial NOR Intelligence

(d) .... is a software that allows users to display information from www.

(i) Browser

(ii) Internet

(iii) Pdf reader

(iv) Wiki

(e) Which of the following tags is used to create a horizontal line in a web page ?

(i)

(ii) <hl>

(iii) <hr>

(iv) <line>

(f) You can create a hyperlink in an HTML document by using :

   (i) <link....> tag

   (ii) <hr....>tag

   (iii) <a....> tag

   (iv) <hyperlink....> tag

(g) You can logically divide a web page into several sections using which of the following tags ?

   (i) <divide>

   (ii) <sect>

   (iii) <logical>

   (iv) <div>

(h) Which of the following format stores only the instruction about how to play a musical notes of a musical instrument ?

   (i) MIDI

   (ii) WAV

   (iii) MPEG

   (iv) JPEG

(i) Real-time meeting of geographically dispersed group of people using the Internet is termed as :

(i) VoIP

(ii) Podcasting

(iii) Conferencing

(iv) Team Meeting

(j) DLL stands for :

(i) Dynamic Linked Libraries

(ii) Digitally Linked Libraries

(iii) Dynamic Loaded Links

(iv) Digital Linking and Loading

2. (a) Define the following terms in the context of Internet/HTML/Multimedia : 4

(i) Router

(ii) CSS

(iii) Server Side Scripting

(iv) Morphing

(b) Compare and contrast the following in the context of Internet/HTML/Multimedia :

$3×2=6$

(i) Voice mail and electronic mail

(ii) Lists and Tables

(iii) TCP and IP

Section—B

Note : *Attempt any **three** from the following questions.*

3. (a) What is a MODEM ? Why is it needed ? How is a MODEM different to a network interface card ? 5

(b) What is a web address or URL ? What are domain names ? How is a web address converted to IP address ? Explain. 5

4. (a) Explain the purpose of the following HTML tags with the help of an example : 6

(i) \<html>

(ii) \<body>

(iii) \<p>

(iv) \

(b) What is the purpose of following fields in a form : 4

(i) Text box

(ii) Radio or option buttons

(iii) Check box

(iv) Text area

5. What is Hypertext ? Explain with the help of an example. Explain any *two* applications of Hypertext. Also, explain the purpose of the following elements of Hypertext : 10

(a) Nodes

(b) Links

(c) Buttons

6. Explain the following with the help of a diagram/example, if needed : 10

(a) Animation

(b) Frames

(c) Client-Server Computing

(d) File Transfer

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