CIT-003

CERTIFICATE IN INFORMATION TECHNOLOGY (CIT)

Term-End Examination

01280 **December, 2017**

CIT-003 : WEB BASED TECHNOLOGIES AND MULTIMEDIA APPLICATIONS

Time : 2 hours *Maximum Marks : 50*

(Weightage : 75%)

Note : *There are two sections in this paper. 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 best choice as your answer. If none of the choices is correct, then select 0 (zero) as your answer. Each objective type question carries 1 mark. *10×1=10*

   (a) _____ program allows one Internet host computer to become a terminal of another host computer on the Internet.

   (i) FTP

   (ii) WWW

   (iii) CHAT

   (iv) TELNET

(b) An address like 255.255.255.0 can be

(i) A host address

(ii) A subnet mask

(iii) A gateway address

(iv) All of the above

(c) The program that works in the background of a search engine to collect information about web pages is called

(i) Web

(ii) E-mail

(iii) Spider

(iv) Search Engine

(d) Which of the following may be considered as an online content management system/collaborative tool ?

(i) Wiki

(ii) WWW

(iii) Search Engine

(iv) Chat Server

(e) For referencing or creating a hyperlink, you use _____ tag of HTML.

(i) <a ....>

(ii) <link ....>

(iii) <href ....>

(iv) <br ....>

(f)   Which of the following may be considered as an event in the context of DOM ?

  (i)   Starting and switching off of a computer

  (ii) Starting a word processor or switching it off

  (iii) Clicking the mouse button as well as releasing it

  (iv) Interrupting the CPU when execution of a program is going on

(g)   _____ is used for selecting multiple options.

  (i)   Text box

  (ii) Radio button

  (iii) Check box

  (iv) Group box

(h)   Which of the following does *not* use image compression ?

  (i)   Vector image

  (ii) Animation

  (iii) Digital image

  (iv) Bitmap image

(i)	Simultations in the context of multimedia can be used for _____ . (Example : Virtual lab)

   (i)	Office needs

   (ii)	Teaching/learning

   (iii)	Collaboration

   (iv)	Multimedia distribution

(j)	A non-linear or non-sequential text is called

   (i)	Document

   (ii)	NL text

   (iii)	Control text

   (iv)	Hypertext

2.	Answer the following questions :	$4 \times 2\frac{1}{2} = 10$

(a)	What is IP in the context of Internet ? Explain the use of an IP address.

(b)	What are the advantages of using an address book in e-mail ?

(c)	What is MIDI ? How is it different from a WAV file ?

(d)	Explain the tags in HTML that can be used for making a numbered list.

SECTION B

3. (a) What is a search engine on the Internet ? How does it work ? Explain with the help of a diagram. *5*

    (b) What is a browser ? List the four features that should be present in a graphical browser. *5*

4. (a) What are the uses of frames in designing a web page ? What are the disadvantages of using frames ? Can creating divisions using DIV tag create better web pages ? Justify your answer. *6*

    (b) Explain the document tags and heading tags of HTML with the help of one example each. *4*

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

    (b) Explain the structure of a hypertext document with the help of a diagram. *5*

6. Explain any *four* of the following with the help of an example/diagram, if needed : $\qquad$ $4\times2\frac{1}{2}=10$

 (a) Vector Images

 (b) Multimedia Distribution

 (c) Use of Drop-down Box in a Form

 (d) Cascading Stylesheets

 (e) Modem

 (f) World Wide Web

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