

**CERTIFICATE IN INFORMATION
TECHNOLOGY (CIT)****Term-End Examination 01967
June, 2012****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 section B. All the questions from section-A are compulsory. There are four questions in Section-B, attempt any three questions from section-B.

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 (zero) as your answer. Each objective type question carries one mark. Indicate your answer in answer sheet.
- (a) Address of a network computer is handled by _____ protocol.
- (i) TCP (ii) UDP
(iii) LAN (iv) IP

- (b) To find a web page that contains the words IGNOU as well as CIT, you may need to use _____ operator between the two words :
- (i) AND
 - (ii) OR
 - (iii) NOT
 - (iv) XOR
- (c) WIKI is a tool for :
- (i) Database Management
 - (ii) Worksheet
 - (iii) Content Management
 - (iv) User Management
- (d) The first graphical browser was :
- (i) Mosaic
 - (ii) Linux
 - (iii) Netscape
 - (iv) Internet Explorer.
- (e) To create logical division of a Web page you may use _____ tag.
- (i) <scan>
 - (ii) <body >
 - (iii) <a>
 - (iv) <div>

- (f) UTF-16 is an encoding of :
- (i) ASCII
 - (ii) UNICODE
 - (iii) EBCDIC
 - (iv) XML
- (g) To insert a single line break in a HTML document , you need to use _____ tag.
- (i) <newl>
 - (ii) <cr>
 - (iii)

 - (iv) <dr>
- (h) CD-ROM can be used as an important _____ device.
- (i) display
 - (ii) storage
 - (iii) Input
 - (iv) Output
- (i) Hypertext can be used to link :
- (i) document
 - (ii) a position in a document
 - (iii) a picture
 - (iv) all of the above
- (j) A bitmap image has _____ size than the vector image.
- (i) more
 - (ii) less
 - (iii) cannot say
 - (iv) all of the above

2. Answer the following questions :

10

- (a) What is animation ? What are its uses in multimedia ?
- (b) Explain with the help of an example how do you insert an image in an HTML document ?
- (c) Explain the component of an address :
`http://www.ignou.ac.in`
- (d) To maintain e mail IDs of your friends what option /feature/command will you use in an e mail software.

SECTION-B

3. (a) What are the various hardware components that may be needed in a personal computer that support multimedia development ? 6
- (b) What are frames in the context of a Web page ? Why are they used ? Explain with the help of an example. 4
4. (a) What is a client and what is a server ? What are the advantages of using client / server computing ? List the functions of a Web Server. 6
- (b) Explain how multimedia can help in distributed learning environment ? 4
5. (a) You want to design a web based feedback form for IGNOU students. What fields of the form will you use ? Explain. 5
- (b) Explain the following indicating the process and devices that may be needed : 5
- (i) Direct connections to Internet
 - (ii) Dial - up connection to Internet
6. Explain *any five* of the following with the help of diagram/ example , if needed. 10
- (a) Spider in the context of search engine
 - (b) Indexing in the context of search engine
 - (c) DNS
 - (d) .gif files
 - (e) Vector images
 - (f) Cascading Style Sheets (CSS)
 - (g) Unordered lists and HTML tags used for it.