

**CERTIFICATE IN INFORMATION
TECHNOLOGY (CIT)**

Term-End Examination

June, 2019

**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 are correct, then select 0(zero) as your answer. Each objective type question carries 1 mark. Write your answers in the answer-sheet. **10x1=10**

(a) Software that displays a web page is

- (i) Operating system
- (ii) TCP/IP
- (iii) Browser
- (iv) Compiler

(b) Help of various software can be implemented using :

- (i) Hypertext
- (ii) Internet
- (iii) Video
- (iv) PowerPoint

- (c) Which of the following device is most appropriate for multi-media publishing ?
(i) CD-ROM (ii) Magnetic tape
(iii) Magnetic disk (iv) Pen drive
- (d) _____ defines the style and layout of a HTML page.
(i) HTML viewer (ii) Browser
(iii) CSS (iv) JavaScript
- (e) Which of the following is a compression standard for sound ?
(i) wav (ii) jpeg
(iii) mpeg (iv) MIDI
- (f) A web address is mapped to an IP address using :
(i) TCP (ii) DNS
(iii) WWW (iv) Subnet mask
- (g) A WIKI allows you to :
(i) Create your own pages
(ii) Edit any page
(iii) Both (i) and (ii)
(iv) You cannot create or edit pages
- (h) To insert a single line break, you should use _____ tag.
(i) <p> (ii)

(iii) <body> (iv) <a>
- (i) Which of the following allows users to select multiple options ?
(i) Text box (ii) Frame
(iii) Option button (iv) Check box

- (j) A component of search engine that gathers information from web pages is called :
- (i) Index (ii) Spider
(iii) Encoder (iv) Google
2. (a) Define the following terms in the context of Internet and Multimedia. **4x1=4**
- (i) Cell Animation (ii) Web address
(iii) Hub (iv) Thumbnail
- (b) Compare and contrast the following in the context of Internet and multimedia : **6**
- (i) HTML and XHTML
(ii) E-mail and Messenger software
(iii) Hypertext and Hypermedia

SECTION - B

3. (a) What are the different components of multimedia ? List two advantages of using each of these components. **6**
- (b) Explain the concept of client-server computing with the help of a diagram. **4**
4. (a) What is a search engine in the context of Internet ? How does a search engine collect, indexes and encodes information from the web ? Explain with the help of an example or a diagram. **6**
- (b) Explain the purpose of using scripting languages in web design. Name two scripting languages. **4**

5. (a) Write the HTML code that can create the following table : 5

Name	Qualification
Rafi	Bachelor of Engineering
Seema	Master of Business Administration

- (b) Explain the advantages of using vector images. How vector images are different from Bitmap images ? List names of at least two image storage formats. 5

6. Explain **any four** of the following with the help of an example/diagram, if needed : 10

- (a) Any two features of authoring software
 - (b) Document conferencing
 - (c) Any two features of a browser
 - (d) TCP/IP
 - (e) Frames
 - (f) CSS
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