

**CERTIFICATE IN INFORMATION
TECHNOLOGY (CIT)**

Term-End Examination

June, 2018

01305

**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. The following objective type questions have four choices. Select the correct 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. $10 \times 1 = 10$

(a) _____ is a website on which news on a certain subject is written.

- (i) Blog
- (ii) Home page
- (iii) News site
- (iv) Personal page

- (b) The protocol used for World Wide Web is
- (i) FTP
 - (ii) HTTP
 - (iii) TCP
 - (iv) TELNET
- (c) AND, NOT, OR are the examples of
- (i) English Words
 - (ii) Search Phrases
 - (iii) Key Words
 - (iv) Boolean Logic
- (d) The mails received by you are stored in the
- (i) Mail folder
 - (ii) Inbox
 - (iii) Receive box
 - (iv) All of the above

(e) _____ is a compression standard for sound files.

- (i) GIF
- (ii) MPEG
- (iii) AVI
- (iv) MIDI

(f) Pixel is

- (i) Smallest unit of a screen
- (ii) Unit of Excel sheet
- (iii) Animation screen format
- (iv) All of the above

(g) Online documentation mostly uses

- (i) Program
- (ii) Markers
- (iii) Hyperlinks
- (iv) Question-answer

(h) Which of the following is used in web page designing ?

- (i) HTML
- (ii) PHP
- (iii) JSP
- (iv) All of the above

(i) `<!-->` in HTML is a/an

- (i) Online tag
- (ii) Special character
- (iii) Comment tag
- (iv) Loop tag

(j) To enter large amount of text on a form you use

- (i) Text box
- (ii) Text area
- (iii) Text group
- (iv) Memo field

2. Answer the following questions :

$$4 \times 2 \frac{1}{2} = 10$$

- (a) What is TCP/IP ? What role is played by each of these protocols ?
- (b) What is DNS ? Explain with the help of an example.
- (c) What is scripting in the context of web page design ? List any two popular scripting languages.
- (d) What is morphing ? Where can it be used ?

SECTION B

3. (a) Why are forms used in web designing ?
Explain the use of radio buttons, drop-down box and group-box on a form. 5
- (b) Explain the purpose of the following HTML tags with the help of an example : 5
- (i) head and body
 - (ii) <p>
 - (iii) <hr>
 - (iv)
 - (v) <a>
4. (a) What is a Wiki ? What are its characteristics ? 5
- (b) Briefly explain the role/use of the following : 5
- (i) Internet Authorities
 - (ii) Internet Service Providers
 - (iii) Firewall on Internet
 - (iv) Podcasting
 - (v) VoIP

5. (a) Explain briefly the uses of various components of multimedia presentation. 5
- (b) Briefly explain the following in the context of multimedia and Internet : 5
- (i) Hypertext mode
 - (ii) Hypertext links
 - (iii) Buttons
 - (iv) Collaboration
 - (v) Multimedia distribution

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

- (a) Educational applications of hypertext
- (b) MPEG and GIF formats
- (c) DIV tag
- (d) DHTML
- (e) Search Engine
- (f) Client-Server Computing