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**CIT-003**

**CERTIFICATE IN INFORMATION  
TECHNOLOGY (CIT)**

**Term-End Examination**

**June, 2020**

**CIT-003 : WEB BASED TECHNOLOGIES AND  
MULTIMEDIA APPLICATIONS**

*Time : 2 Hours*

*Maximum Marks : 50*

*Weightage : 75%*

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**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.

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**Section—A**

1. The following objective type questions have four choices. Select the correct choice as your

**P. T. O.**

answer; if none of the choices is correct, then select 0 (zero) as your answer. Each objective type questions carries 1 mark. Indicate your answer in the answer sheet.  $10 \times 1 = 10$

(a) ..... is the page which gets loaded in the browser when you load a website by typing its normal address in the address bar of the browser.

(i) Google page

(ii) Home page

(iii) HTML

(iv) HTTP

(b) When you type a URL on the address of a browser. It will first use ..... protocol.

(i) FTP

(ii) TCP

(iii) DNS

(iv) IP

- (c) To define style and layout of an HTML page separately, you should use .....
- (i) HTTPS
  - (ii) FTP
  - (iii) DOM
  - (iv) CSS
- (d) Search spider program collects the information which is then ..... for search engines.
- (i) sorted
  - (ii) defined
  - (iii) explained
  - (iv) indexed
- (e) .bmp files are :
- (i) Video files
  - (ii) Audio files
  - (iii) Image files
  - (iv) Text files

- (f) A form require to get information about working/not working status of a person; to get this information which of the following field should be used ?
- (i) Text area
  - (ii) Radio option button
  - (iii) Hidden field
  - (iv) Chuk Bones Option Button
- (g) A mail was sent to two addresses—both were given in the bcc address bar. Both the addresses will be :
- (i) Invisible
  - (ii) Visible
  - (iii) Partly visible
  - (iv) Mail will not be sent
- (h) The size of an IPv6 address is of ..... bits.
- (i) 16
  - (ii) 8
  - (iii) 128
  - (iv) 64

- (i) Which of the following is an important tool for distribution of multimedia ?
- (i) CD-ROM
  - (ii) Hard-disk
  - (iii) Tablets
  - (iv) RAM
- (j) ..... is a device that lets digital information of computer to be transmitted on a telephone line.
- (i) Router
  - (ii) Hub
  - (iii) Modem
  - (iv) TCP/IP

2. Answer the following questions :

- (a) What is DNS ? What is its role in World Wide Web ? Explain with the help of an example.

- (b) What is a search engine ? How does it collect information ? 3
- (c) What is the purpose of anchor tag in HTML ? Explain with the help of an example. 2
- (d) What are the advantages of using hypertext for creating a reference book ? 2

### Section—B

3. (a) What are the advantages of using vector images ? For what kind of application such images are more useful ? 3
- (b) What is hypermedia ? How is it different from hypertext ? List any *two* applications of hypermedia. 4
- (c) Explain the terms morphing and warping in the context of animation. 3
4. (a) List the uses of the following HTML tags with the help of an example : 5
- (i) <p>

- (ii) <br>
  - (iii) <HTML>
  - (iv) Body
  - (v) <hl>
- (b) Define the following in the context of web designing : 5
- (i) Frame
  - (ii) Check box
  - (iii) DOM
  - (iv) CSS
  - (v) Scripting
5. (a) List the characteristics of Wiki. 3
- (b) Explain how 'AND', 'OR', 'NOT' can be used to create better search expression. 5
- (c) Define the role of TCP and IP protocols. 2
6. Explain any *five* of the following with the help of an example/diagram, if needed : 2 each
- (a) Use of form in HTML

- (b) Firewall in the context of Internet
- (c) Contacts/address book
- (d) Character encoding in the context of HTML
- (e) Creating logical divisions of a web page
- (f) Video conferencing