

**CERTIFICATE IN INFORMATION  
TECHNOLOGY (CIT)**

**Term-End Examination**

**June, 2014**

**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 the questions from Section-A are compulsory. There are four questions in Section-B. Attempt any three questions from Section-B.*

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**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 is correct then select 0 (zero) as your answer. Each objective type question carries one mark. Write your answer in answer sheet. 10
- (a) IPv4 address is \_\_\_\_\_ long.
- |               |              |
|---------------|--------------|
| (i) 16 bits   | (ii) 32 bits |
| (iii) 64 bits | (iv) 96 bits |
- (b) Which of the following is a Web Server ?
- |           |           |
|-----------|-----------|
| (i) BIOS  | (ii) IIS  |
| (iii) TCP | (iv) HTTP |
- (c) Index of a search engine is implemented using :
- |               |                |
|---------------|----------------|
| (i) sorting   | (ii) searching |
| (iii) hashing | (iv) encoding  |

- (d) WIKI can be used for :
- (i) email
  - (ii) chatting
  - (iii) browsing
  - (iv) collaboration
- (e) Smallest heading tag is :
- (i) <h1>
  - (ii) <h3>
  - (iii) <h4>
  - (iv) <h6>
- (f) ASP is a/an \_\_\_\_\_ scripting language.
- (i) client side
  - (ii) server side
  - (iii) HTML based
  - (iv) none of the above
- (g) Frame page :
- (i) acts like a container
  - (ii) stores HTML text based web pages only
  - (iii) cannot contain another frame
  - (iv) none of the above
- (h) •MPEG is used as :
- (i) picture storage
  - (ii) video compression standard
  - (iii) frame storage
  - (iv) none of the above
- (i) The size of a bitmap image is \_\_\_\_\_ than that of a vector image.
- (i) more
  - (ii) less
  - (iii) same
  - (iv) none of the above

4. (a) Define the term "multimedia". List and explain various components of multimedia. 6
- (b) What is DNS in the context of Internet ? Explain the use of DNS in Internet with the help of an example. 4
5. (a) Explain the use of following tags with the help of an example. 6
- (i) <ul> (ii) <a>
- (iii) <li> (iv) <div>
- (b) List any four features of a browser. 4
6. Explain any five of the following : 10
- (a) Characteristics of WIKI
- (b) File Transfer Protocol (FTP)
- (c) Search spider used in search engines
- (d) Structure of internet
- (e) Editing an existing website
- (f) • Gif format
- (g) Authoring software
- (h) Hypertext
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- (j) CD - ROM can be used for :
  - (i) Storage of content
  - (ii) Multimedia distribution
  - (iii) Archival storage
  - (iv) All of the above

2. Answer the following questions : 10

- (a) What is morphing in the context of animation ? How is it different to Warping ?
- (b) What is meant by CSS in the context of Web page design ? Explain the importance of CSS.
- (c) A computer has an IP address 192.168.1.98 and subnet mask as 255.255.255.0 What would be the NetID and DeviceID for this computer ?
- (d) Explain with example the role of "AND" and "OR" operators while building a search.

### SECTION - B

- 3. (a) What is the impact of Multimedia on publishing industry ? 4
- (b) What is a thumbnail ? Explain with the help of an example. 3
- (c) What are the different scripting languages used in a computer ? Explain uses of any two such languages. 3