

**CERTIFICATE IN INFORMATION  
TECHNOLOGY (CIT)**

**Term-End Examination**

**June, 2017**

00641

**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. 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 are correct, then select 0 (zero) as your answer. Each objective type question carries 1 mark. Indicate your answer in the answer sheet.  $10 \times 1 = 10$

- (a) On the internet, data is transferred in the form of
- (i) packets
  - (ii) messages
  - (iii) attachments
  - (iv) TCP/IP

- (b) Which of the following is a valid IP address ?
- (i) www.ignou.ac.in
  - (ii) 192.168.1.97
  - (iii) 22.5.7
  - (iv) All of the above
- (c) Which of the following is *not* a search engine ?
- (i) Google
  - (ii) Yahoo
  - (iii) Moodle
  - (iv) None of the above
- (d) BMP format can be used for
- (i) Text files
  - (ii) Animation
  - (iii) Images
  - (iv) Audio
- (e) Which of the following is a multimedia application for medical systems ?
- (i) INTERNET II
  - (ii) DOCNET
  - (iii) HOSPNET
  - (iv) MEDNET



- (f) Online documentation and dictionaries use
  - (i) IP addressing
  - (ii) Hypertext
  - (iii) DLLs
  - (iv) None of the above
  
- (g) Links in an HTML document can be specified using
  - (i) head tag
  - (ii) link tag
  - (iii) anchor tag
  - (iv) frame tag
  
- (h) Which of the following is a valid character coding standard used for representing English alphabets and other characters ?
  - (i) ISO-8859-1
  - (ii) UTF-8
  - (iii) UTF-16
  - (iv) All of the above
  
- (i) CSS stands for
  - (i) Complete System Support
  - (ii) Common Sense System
  - (iii) Cascading Style Sheets
  - (iv) None of the above

- (j) `<br>` tag in HTML is used for
- (i) line break
  - (ii) background row
  - (iii) binding
  - (iv) None of the above

2. Explain the following terms in the context of Internet and Multimedia with the help of an example/diagram, if needed :  $5 \times 2 = 10$

- (a) Web Server
- (b) Domain Name System (DNS)
- (c) Morphing and Warping
- (d) JavaScript
- (e) Frame



## SECTION B

3. (a) What are the advantages of using text, graphics, animation, audio and interactivity in a multimedia software ? Explain with the help of an example. 5
- (b) What is TCP/IP ? Why is it needed ? What are the security issues on the internet ? How does a firewall help internet security ? 5
4. (a) A company needs to collect feedback using a form from a website. The information to be collected includes Name, Gender, Date of birth, Qualification of the person, Income category and a paragraph of feedback. Suggest which fields of HTML form would be required for designing the said form. Justify your answer. 5
- (b) Explain any two uses of multimedia in teaching and learning. 5
5. (a) What is a Web browser ? What are the functions/operations that you can perform using a Web browser like Internet Explorer ? 5
- (b) Explain the use of tables and lists tags in HTML with the help of an example each. 5

**6. Explain the following terms :**

**5×2=10**

- (a) Remote Access on the Internet
  - (b) Search Engine
  - (c) Electronic Educational Resources
  - (d) Representation of Special Characters in HTML Documents
  - (e) Use of <DIV> Tag
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