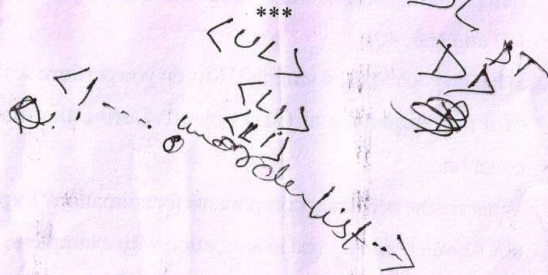7. Create HTML Page for following features:

   (i) Create an unordered list

   (ii) Create an ordered list

   (iii) Use various bullet styles

   (iv) Create nested lists

   (v) Use the font tag in conjunction with lists

   (vi) Create definition lists

   (vii) Use graphics as bullets

8. Describe the Cascading Style Sheet (CSS) with an example. Use the Font Attributes and Text Attributes in the examples. Discuss the term Entity in XML and its different types.

9. Discuss the DOM (Document Object Model) in Java Script and also discuss the role of Event handling with proper example.

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    MCA(IV)-CS(44)

2018

Time : 3 hours   Full Marks : 80

Candidates are required to give their answers in their own words as far as possible.

The questions are of equal value.

Answer any five questions, in which Q.No. 1 is compulsory.

1. Choose the correct option of the following:

   (a) In graphical system, the array of pixels in the picture are stored in

      (i) Memory

      (ii) Frame Buffer

      (iii) Processor

      (iv) None of the above

   (b) .... is a rigid body transformation that moves objects without deformation.

      (i) Rotation

      (ii) Reflection

      (iii) Translation

      (iv) None of above

   (c) On raster system, lines are plotted with

(i) Lines

(ii) Dots

(iii) Pixels

(iv) none of the above

(d) Coaxial cable consists of .... concentric copper conductors.

(i) 1

(ii) 2

(iii) 3

(iv) None of the above

(e) Which of the following is capable of recognizing a pre-specified type of mark by pencil or pen?

(i) OMR

(ii) Winchestor

(iii) Bar Code Reader

(iv) Image Scanner

(f) A piece of icon of image on a web page associated with another webpage is called

(i) URL

(ii) Hyperlink

(iii) Plugin

(iv) None of the above

(g) What is a web browser?

(i) a program that can display a web page

(ii) a program used to view html documents

(iii) in enables user to access the resources of internet

(iv) All the mentioned above

(h) Which one of the following is not used to generate dynamic web pages?

(i) PHP

(ii) ASP.NET

(iii) JSP

(iv) None of the above

2. Differentiate between raster scan and random scan. Draw and explain the block diagram of raster scan display system.

3. Explain the steps of Bresenham's line drawing algorithm. Using this algorithm, draw a line with the end points: (10, 10) and (60, 40).

4. What do you mean by scaling? How do you perform scaling of a two dimensional (2D) object? Derive the matrix equation.

5. What are the necessary components for animation? Explain any two techniques used in animation with examples.

6. What do you mean by Growth of Web? Discuss the brief history of web? How did Internet come into existence? What' are the benefits of internet?