Benha University
Faculty of Engineering Shoubra
1st Year communication

Final Exam 2013
Time allowed: 3 hrs
Computer Application

Question 1: Complete the following statements   [14 Marks]

1. ──W3C──── is a non-profit Organization that is responsible for developing and testing advanced Internet technologies.
2. ──F.T.P──── , ──Messenger── and ──E-mail──── are Internet based software applications.
3. ──Virtual class── is an e-learning application that allows teacher or learner to take control of the application to practice performing tasks.
4. Security is broadly defined as the protection of assets from unauthorized ──use── ──, ──Access──── , or ──destruction── , ──iteration──
5. Parasitic viruses (or file viruses) are code fragments that reproduce by attaching themselves to ──Executables file──
6. ──────── infects computers by modifying the contents of the boot sector program.
7. ──Antivirus──── is software that prevents and removes adware, spyware, and other forms of malware.
8. A──────── is a specific word that describes the information to be found in the search process .
9. The advantage of having an external Cascading Style Sheet in a file is.──ability of change──
10. The boxes in Cascading Style Sheets allow you to do.........................

Question 2: Trace the T/F statements   [10 Marks]

1. The Internet is owned and managed by the U.S. government. *
2. The World Wide Web (WWW) is a collection of millions of Web Pages. ✓
3. Hyperlink is a reference to another external document but not within the same document.
4. In Dynamic pages, the design is changeable while the contents are fixed. ✗
5. Server-side programming can be encrypted to protect users against any hack attempts. ✓
6. E-commerce and E-business are two alternative terms ✓
7. Email domain name is the same as the internet registered name for the organization. ✓
8. Email application use either peer to peer or client server architecture. ✗
9. In search engines process, spiders start from the popular to the least most site. ✓
10. A URI keyword _ is a specific word that describes the information to be found in the search process.

Question 3: HTML   [26 Marks]

1. Write the complete HTML code for a BOOK web page, which is divided into three frames. The top frame source is a file contains the name of the book. The left bottom frame contains a page of menu items (Chapters of the book). The third frame will load the file to be linked when clicking on one menu item description file. Assume any missing frame sources.

Top frame	
Left bottom frame	Right bottom frame

2. Write the HTML code to design a web page that includes links to External file, a picture, and different places in the same document.

2. Write the HTML code to design a web page that includes an imbedded frame linking external web document. (IFrame)

3. Write the HTML code to design a web document that includes an image map to divide the Egypt's map into areas each area links to document describes its specifications (use different shapes and the coordinates are approximated).

Question 4: CSS   [25 Marks]

1. Describe briefly the three ways of including CSS in your web page.
2. Write the CSS rule that
    a. control the size of letters
    b. control the font type
    c. set a background image
    d. set the color of the background
    e. make the contents of all "li" tags bold.
    f. Use the CSS property text-align with the value center to center the top level headline
3. Use CSS to change the default font for the entire page to a sans-serif font. The property you need is font-family and the value is sans-serif.
4. Use an id attribute on the appropriate HTML element, along with CSS to make the words "Green Tea" the color green.
5. Write the CSS rule that will make the contents of both "p" and "li" tags have a 16pt font size.

Question 5: Java Script   [25 Marks]

1. Briefly describe the ways of including JavaScript codes without functions into HTML page, And the ways of including JavaScript functions into HTML page(show the difference).

2. Write the JavaScript code to design a web page that includes the following segment:

| Start count | 0 | Stop count |

When click on the "**Start** count!" the timer will start. The input field will count forever, starting at 0. Click on the "**Stop** count!" button to stop the counting. Click on the "Start count!" button to start the timer again. (**hint:** use document wide variable code. Write the head and body section to invoke the function).

3. Write the JavaScript code to make a **function** that will test the **time** now. The function send message "good morning" , "good evening" , or "good afternoon". Finally show how to invoke the function from body section.

4. Write a JavaScript program that Detect the visitor's **browser** and browser version.

Best Wishes