RAJARATA UNIVERSITY OF SRI LANKA
FACULTY OF APPLIED SCIENCES

B.Sc. (General) Degree in Applied Sciences
Second Year - Semester I Examination – September/October 2019

COM 2303 – WEB DESIGN

Time: Two (02) hours

Answer **ALL** Questions

1.

    a) Describe the difference between client-side programming and server-side programming. (8 marks)

    b) What is the difference between the internet and the World Wide Web?

       (6 marks)

    c) Describe three benefits of the cloud computing model. (6 marks)

    d) What is a protocol? Give three examples. (5 marks)

2.

    a) What does HTTPS mean? (6 marks)

    b) Fill in the blanks in each of the following using suitable HTML tags.

       i. The element----------------- inserts a horizontal rule.

       ii. A superscript is marked up using the----------------- element, and a subscript is marked up using the ----------------- element.

       iii. The least significant heading element is -----------------and the most significant heading element is ----------------- .

iv.   Element----------------- marks up an unordered list.

v.   Element -----------------marks up a paragraph.

vi.   The element ----------------- marks up a table row.

(8 marks)

c)   When is it appropriate to use frames in HTML? Explain the situation when not to use HTML frames.   (6 marks)

d)   What are the style sheets?   (5 marks)

3.

a)   Create three div elements, each with a width and height of 100px.

   i.   On the first element, create slightly rounded corners using a border of 3px black and border-radius of 10px.

   ii.   On the second element, use a border of 3px black and increase the border-radius to 50px.

   iii.   On the third, use a border of 3px black and increase the border-radius to 100px.

   iv.   Make the background-color of each element a different color of your choosing.

   v.   Inside each element, display the value of the border-radius in bold text

(10 marks)

b)   What is wrong with the following while repetition statement?

```
while( z >= 0 )
    sum += z;
```

(5 marks)

c)   Write JavaScript statements to accomplish each of the following tasks:

   i.   Declare variables c, thisIsAVariable, q76354 and number.

   ii.   Display a dialog asking the user to enter an integer. Show a default value of 0 in the dialog.

   iii.   Convert a string to an integer, and store the converted value in variable age. Assume that the string is stored in string Value

iv. If the variable number is not equal to 7, display "The variable number is not equal to 7" in a message dialog.

v. Output a line of HTML5 text that will display the message "This is JavaScript" in the HTML5 document.

(10 marks)

4.
    a) What is PHP? Why do we use PHP? (4 marks)
    b) Is PHP a strongly typed language? Explain using example. (8 marks)
    c) What is the difference between GET and POST methods? (8 marks)
    d) Explain setcookie() function in PHP? (5 marks)

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