RAJATRATA UNIVERSITY OF SRI LANKA

FACULTY OF APPLIED SCIENCES, MIHINTALE
B.Sc.(General) Degree

Second Year-Semester I Examination –April/May 2016

COM 2303- Web Design

Answer All Questions   Time 2 Hours

1. Answer the following questions using HTML (your answer must be a valid HTML 5 document).

   i.

   a. Write HTML code to create the following web page (assume name is q1.html)   (8 Marks)

   ```
   Web Site Outline

   • Home page
   • Links page
       I  Links to search engines
       II. Links to information sites
       III Links to 'fun'' sites
   • Feedback page
   ```

   b. Write HTML code to display following content in a web page.
                                                               (7 Marks)

   ```
   Introduction to HTML tags
   <head>
   <table>
   <body>
   © RUSL
   ```

   ii. Write HTML code to add *iframe* which loads the q1.html page. Set width and height of the fame as 200px,125px respectively.   (10 Marks)

2.

  i. Briefly describe the use of Style sheet. (3 Marks)

  ii. In relation to Cascading Style Sheets (CSS), briefly state what each of the following terms refer to:
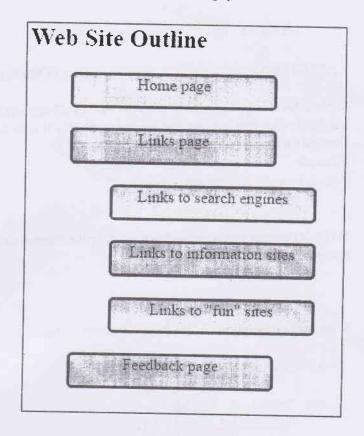
Selector
Property
Id
Class
Pseudo class

(5 Marks)

  iii. Consider the following CSS code:

```
<style type="text/css">
p {
        position:relative;
        top:200px;
        left:300px;
        border:4px groove #333333;
        margin: 20px 50px;
        font-family: "Times New Roman", Georgia, Serif;
        font-size: 26px;
        text-indent: 250px;
}
p.small {
        margin: 0px 100px;
        font-family: "Courier New", Courier, monospace;
        font-size: 50%;
        text-indent: 0px;
}
</style>
```

  a. Write HTML markup to display how each of the styles might be used.
(3 Marks)

  b. Sketch how the HTML you have written in above (a) might be rendered in a browser (4 Marks)

  iv. Create and add external style sheet with appropriate CSS rules to above Q1.i a) to change the appearance of the pageas follows.
(Use box model with text aligning, rounded corner, background color, list style type and positioning properties. You are free to use your own property values. Write link tag and style rules only). (10 Marks)

Web Site Outline

Home page

Links page

Links to search engines

Links to information sites

Links to "fun" sites

Feedback page

3.

i. Identify errors in the following JavaScript code. (preceding numbers are for your reference only).

```
1. var arr1=[]
2. for(i=1,i<5,i)
3. {
4. arr1[i]=i
5. document.write(arr[i])

6. }
```

(4 Marks)

ii. What would be the output of the following JavaScript code block, when invoke function "output()":

```
<SCRIPT LANGUAGE = "JavaScript">
function output()
    {
document.writeln(squire(3) + "<BR>" );
    }
function squire ( y )
    {
```

```
        return (y * y*2 );
        }
</SCRIPT>                              (4 Marks)
```

iii.   Write a JavaScript function to print the sum of all integers lie between given two
        numbers . The first number and second number will pass as function parameters
        (second number must greater than first number).
        Example
        `function(2,5)` returns value 14   (7 Marks)

iv.   Write JavaScript Function to check whether the entered age in question (1.ii) form
        age element is lie between 18 and 40.   (10 Marks)

4.

    i.   What will be the output of the following PHP codes:

```
a. $salary = array
    {
    "sunil" => 5000,
    "gamini" => 4000,
    "nimal" => 5500
}
    print_r($salary);
```
                                                        (3 Marks)

```
b.

<?php

$info = "sunil.silva@ac.lk";
$user = strpos("$info", ".");
 $name=substr($info,0,$user);
print $name;
?>
```

                                                        (3 Marks)

    ii.   What are PHP cookies. Explain with a simple example   (4 Marks)
    iii.   Assume the details submitted in (1.ii) form are stored in a Database
            called "STUDENT" and it has only single table called "stud_dat".

            a. Write PHP code to connect to the database.   (3 Marks)
            b. Write complete code to display all the information stored in a table
                                                                 (5 Marks)
            c. Write code to display details of students whose age is greaterthan
                25 as a header 2 level text.   (7 Marks)