SECOND SESSIONAL EXAMINATION, MARCH 2018

S6R- CS368 WEB TECHNOLOGIES

ANSWER KEY

Time:1 hr Max.40 Marks

1. The selector can have a variety of forms (0.5\*8 Marks)
   1. Simple Selector Forms
   2. Class Selectors
   3. Generic Selectors
   4. **id** Selectors
   5. Contextual Selectors
   6. Universal Selectors
   7. Pseudo Classes
2. <style> (2\*2 Marks)

body {

background-image: url("img\_tree.gif"), url("paper.gif");

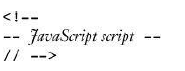
background-repeat: no-repeat, repeat;

background-color: #cccccc;

}

</style>

1. Two issues arise regarding embedding JavaScript in XHTML documents (3+1 Marks)
   * some browsers that are still in use recognize the <script> tag but do not have JavaScript interpreters.
   * a few browsers that are still in use are so old that they do not recognize the <script> tag.
   * The HTML comment used to hide JavaScript has the following syntax:



* + HTML comment form hides the enclosed script from browsers that do not have JavaScript interpreters, but makes it visible to browsers that do support JavaScript

1. Properties can be accessed in two ways (2+2 Marks)

* First, any property can be accessed in the same way it is assigned a value

var prop1 = my\_car.make;

* Second, the property names of an object can be accessed as if they were elements of an array

var prop2 = my\_car[“make”];

1. A. JavaScript has five primitive types: Number, String, Boolean, Undefined, and Null.

(4 marks)

B. root.js

var a = prompt("what is the value of 'a'?\n","");

var b = prompt("what is the value of 'b'?\n","");

var c = prompt("what is the value of 'c'?\n","");

var root\_part = Math.sqrt(b \* b- 4.0 \* a \*c);

var denom=2.0\*a;

var root1=(-b+root\_part)/denom;

var root2=(-b-root\_part)/denom;

document.write("The first root is:",root1,"<br/>");

document.write("The second root is:",root2,"<br/>"); (8 marks)

1. A. Audio information is coded into digital streams with encoding algorithms called audio codecs.

The general syntax of an audio element:

<audio *attributes*>

<source src = “filename1”>

.

.

<source src = “filenamen”>

your browser does not support the audio element

</audio> (2 marks)

b. 1. <titile>Media in life</title>

2. *background-color: pink;*

3. h1.color:maroon;

4. <img src=”images.jpeg”/>

5. p.color:red;

6.table.background-color: blue

7. <a href=”evol.html”> Evolution</a>

<a href=”ref.html”> References</a>

8. font-size: 2pt

<a href=”contact@abc.coml”> Mail to us</a> (8+2 marks)