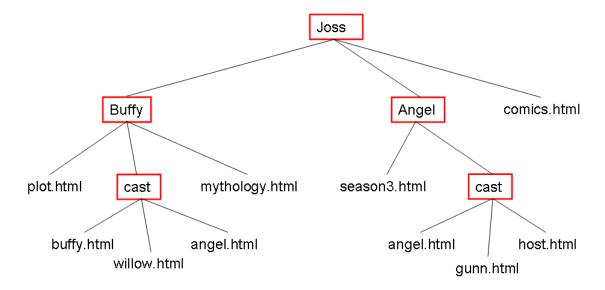
Section A: Multiple Choice Questions (30%)

1. In ((2%)	CSS, you can override precedence rules by adding the property to a style declaration.
	!override
	!main
	!important
D.	!priority
2. Wh	at is the default value of the position property? (2%)
	relative
	absolute
	fixed static
D.	Static
	at is one advantage that HTML5 APIs offer for modern Web design? (2%)
	They enable users to view Flash content on mobile devices.
	They enable developers to create apps without coding skills
	They enable older browsers to display any multimedia content
D.	They enable users to view multimedia without plug-ins
4. Wh	at is the result of the following code? (2%)
	var y = Math.floor(3.8);
A.	3.8
B.	4
C.	3.5
D.	3
5 Gra	phics defined by SVG is in which format? (2%)
	XML
	HTML
	CSS
6. Wh	at the following code will do if someone types in "18"? (2%)
	<pre>var age = prompt("Enter your age ");</pre>
	var age prompt Effect your age); var next = age + 1;
	alert("On your next birthday, you'll be "+next);
A.	It gets an error
	It displays "18"
C.	It displays "19"
D.	It displays "181"

7. How do you select all p elements inside a div element? (2%)			
A.	div.p		
B.	div p		
	div + p		
D.	div * p		
8. How do you display a border like this: (2%)			
	The top border = 10 pixels		
	The bottom border = 5 pixels		
	The left border = 20 pixels		
	The right border = 1 pixel		
	. border-width:10px 1px 5px 20px;		
	border-width:5px 20px 10px 1px;		
	border-width:10px 5px 20px 1px;		
D.	border-width:10px 20px 5px	lpx;	
9. From outside to inside, a box (block) has: (2%)			
	. border, margins, padding		
	margins, padding, border		
	padding, margins, border		
D. margins, border, padding			
	Which statement is true? (2%)		
	An XML document can have one root element		
	An XML document can have one child element		
	XML elements have to be in lower case		
D.	All of the above		
11. What is one advantage that HTML5 APIs offer for modern Web design? (2%)			
	They enable users to view Flash content on mobile devices.		
	They enable developers to create apps without coding skills		
	They enable older browsers to display any multimedia content They enable users to view multimedia without plug-ins		
D.	They chable asers to view inc	attinedia without plug ins	
	•	with the correct protocol. (8% -2% each)	
	Application Layer	1) IP	
	Transport Layer	2) WiFi	
	Network Layer	3) TCP	
D.	Physical Layer	4) HTTP	

Section B: Longer Answer Questions (30%)

1. You're creating a web site with the following folder and file structure:



Give the relative URL for each of the following connections (1.5% each - 6%):

- A. From plot.html to mythology.html (1.5%)
- B. From plot.html to buffy.html (1.5%)
- C. From buffy.html to plot.html (1.5%)
- D. From buffy.html to gunn.html (1.5%)
- 2. The following web page is loaded into a web server:

```
<html>
<html>
<head><title>JavaScript question</title></head>
<body>
<script type="text/javascript">
book = new Array(1,2,3,4,5,6,7,8);
document.write(book[1]);
book[10]=10;
document.write(book[10]);
</script>
</body>
</html>
```

Once the above web page is loaded what will be the outcome? (4%)

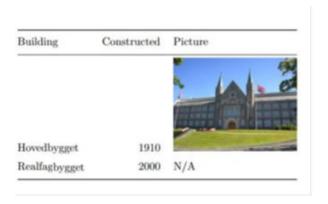
3. After you have traced through the code, write the value of each variable below:

```
function dogsAge(age) {
     return age * 7;
  var myDogsAge = dogsAge(4);
  function rectangleArea(width, height) {
      var area = width * height;
      return area;
  }
  var rectArea = rectangleArea(3, 4);
  function addUp (numArray) {
      var total = 0;
      for (var i = 0; i < numArray.length; i++) {
          total += numArray[i];
      return total;
  }
  var theTotal = addUp([1, 5, 3, 9]);
  function getAvatar(points) {
      var avatar;
      if (points < 100) {
          avatar = "Mouse";
      } else if (points > 100 && points < 1000) {
          avatar = "Cat";
      } else {
          avatar = "Ape";
      return avatar;
  var myAvatar = getAvatar(335);
Write the value of each variable here: (2% each - 8%)
   A. myDogsAge =
   B. rectArea =
   C. theTotal =
   D. myAvatar =
```

- 4. Describe the situations of using External Style Sheets, Embedded (Internal) Style Sheets and Inline Styles. Use both CSS and HTML code to explain how to use each type of the styles. (6%)
- 5. Explain the differences between POST and GET when sending HTML form data. (6%)

Section C: Coding Related Questions (40%)

1. Write the HTML code that produces the following table. The image is called mainbuilding.jpg and is stored in a folder called images. The images folder is inside the same folder of this HTML file. (5%)



2. Consider the following HTML file:

```
<!DOCTYPE html>
<html>
<head>
<style>
</style>
</head>
<body>
<h1>This is a Heading </h1>
This is a paragraph. 
This is another paragraph. 
This is a third paragraph. 
<u1>
Apple
Orange
Pear
</body>
</html>
```

Write the CSS needed to (10% - 2% each):

- A. Position the <h1> element 20px left, and 30px down, relative to its normal position.
- B. Position the <h1> element 50px from the left, and 100px from the top, relative to the HTML page.
- C. Display the list items as inline elements.
- D. Change the background color of the p element with the class "highlight" to "lightblue", when a user hovers over that p element.
- E. Set text color to red, for the first line of the elements.
- 3. Write a JavaScript function that calculates the number of days left till the Christmas Date (7%).
- 4. Write a JavaScript program to calculate multiplication and division of two numbers (input from user). (8%)

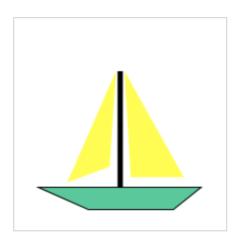
The form will look like this:

```
1st Number: 12
2nd Number: 10
Multiply Divide
The Result Is: 120
```

The HTML is given:

```
<form>
lst Number : <input type="text" id="firstNumber" /><br>
2nd Number: <input type="text" id="secondNumber" /><br>
<input type="button" onClick="multiplyBy()" Value="Multiply" />
<input type="button" onClick="divideBy()" Value="Divide" />
</form>
The Result is : <br>
<span id = "result"></span>
```

- 5. Write JavaScript code to draw the following figure inside a <canvas> element. (10%)
 - Don't forget to access the canvas element from your script and use the 2D drawing API.
 - We expect you to approximately draw the following figure, eg. line width, not fully centered to the canvas, color of the lines etc. are not problems.



```
<!DOCTYPE html>
<html> <body>
<canvas id="myCanvas" width="200" height="200" style="border:1px solid #d3d3d3;">
Your browser does not support the HTML5 canvas tag.</canvas>
<script>
...
</script>
</body> </html>
```