**INT222 – Quiz 1 - A Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Student ID: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Question 1: Read the following code and give the outputs of the alert() funcitons. [4 marks]**

/\*\*\*\*\*\*\*\*\*\*0123456789012345678901234\*\*\*\*\*\*\*\*\*\*/

var str = "HTML5 CSS3 and JavaScript";

alert(str.length); // 01.\_\_\_\_\_\_\_25\_\_\_\_\_\_\_\_\_\_\_\_

alert(str.charAt(4) + 5); // 02.\_\_\_\_\_\_\_\_55\_\_\_\_\_\_\_\_\_\_\_

var sub1 = str.substr(4, 6);

alert(sub1); // 03.\_\_\_\_\_\_\_5 CSS3\_\_\_\_\_\_\_\_\_\_\_\_

alert(parseInt(sub1) === "5"); // 04.\_\_\_\_\_\_\_false\_\_\_\_\_\_\_\_\_\_\_\_

var sub2 = str.substring(7, 10);

alert(sub2); // 05.\_\_\_\_\_\_SS3\_\_\_\_\_\_\_\_\_\_\_\_\_

alert(parseInt(sub2)); // 06.\_\_\_\_\_\_NaN\_\_\_\_\_\_\_\_\_\_\_\_\_

var items = str.split(' ');

alert(items[1]); // 07.\_\_\_\_\_\_\_CSS3\_\_\_\_\_\_\_\_\_\_\_\_

items.push(sub2);

items.sort();

alert(items[1]); // 08.\_\_\_\_\_\_\_HTML5\_\_\_\_\_\_\_\_\_\_\_\_

**Question 2: Create JavaScript code to do the following: [5 marks]**

* Create a function called **maxNumber**. The function accepts two parameters as number, and returns the larger one.
* Prompt to ask the user to enter one number twice.
* Find the larger number by calling one of above function and output the number to the user.

function maxNumber(n1, n2) {

return (n1 > n2) ? n1 : n2;

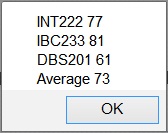
}

var num1 = parseInt( prompt("Enter a number: ") );

var num2 = parseInt( prompt("Enter a number: ") );

alert(maxNumber(num1, num2));

**Question 3: write JavaScript code to do the following: [6 marks]** sample output:

* Continually prompt the user to enter course code and a mark (separated by a space) until the user enters an empty string or click on the cancel button.
* Create an empty array.
* For each input, create an object to store the course code and mark, and load the object into the array.
* Use alert() to show the list of course and mark, and display average at the bottom (see the example of an output at right).
* Assume users input all valid data. No validation is required.

**var courseArray = [];**

**// input data**

**while(true) {**

**var str = prompt("Enter courese code and a mark\nseparated by space");**

**if(!str) break;**

**var tmpArray = str.split(' ');**

**// var obj = { course: tmpArray[0], mark: tmpArray[1]};**

**var obj = {};**

**obj.course = tmpArray[0];**

**obj.mark = tmpArray[1] \* 1;**

**courseArray.push(obj);**

**}**

**// traverse array to display result**

**var result = "", sum = 0;**

**for (var i=0; i<courseArray.length; i++) {**

**result += courseArray[i].course + " " + courseArray[i].mark + "\n";**

**sum += courseArray[i].mark;**

**}**

**result += "Average " + sum/courseArray.length;**

**alert(result);**

Your mark: \_\_\_\_\_\_\_\_

**INT222 – Quiz 1 - B Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Student ID: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Question 1: Read the following code and give the outputs of the alert() funcitons. [4 marks]**

/\*\*\*\*\*\*\*\*\*\*0123456789012345678901234\*\*\*\*\*\*\*\*\*\*/

var str = "CSS3 JavaScript and HTML5";

alert(str.length); // 01.\_\_\_\_\_\_\_\_25\_\_\_\_\_\_\_\_\_\_\_

alert(str.charAt(3) + 5); // 02.\_\_\_\_\_\_\_\_35\_\_\_\_\_\_\_\_\_\_\_

var sub1 = str.substr(3, 8);

alert(sub1); // 03.\_\_\_\_\_\_\_\_ 3 JavaSc\_\_\_\_\_\_\_\_\_\_\_

alert(parseInt(sub1) == "3"); // 04.\_\_\_\_\_\_\_\_ true\_\_\_\_\_\_\_\_\_\_\_

var sub2 = str.substring(5, 10);

alert(sub2); // 05.\_\_\_\_\_\_\_\_ JavaS\_\_\_\_\_\_\_\_\_\_\_

alert(parseInt(sub2)); // 06.\_\_\_\_\_\_\_\_ NaN\_\_\_\_\_\_\_\_\_\_\_

var items = str.split(' ');

alert(items[2]); // 07.\_\_\_\_\_\_\_\_ and\_\_\_\_\_\_\_\_\_\_\_

items.push(sub2);

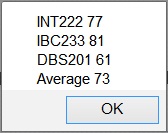
items.sort();

alert(items[2]); // 08.\_\_\_\_\_\_\_\_ JavaS\_\_\_\_\_\_\_\_\_\_\_

**Question 2: Create JavaScript code to do the following: [5 marks]**

* Create a function called **getLargerNumber**. The function accepts two parameters as number, and returns the larger one.
* Prompt to ask the user to enter one number twice.
* Find the larger number by calling one of above function and output the number to the user.

**Question 3: write JavaScript code to do the following: [6 marks]** sample output:

* Continually prompt the user to enter course code and a mark (separated by a space) until the user enters an empty string or click on the cancel button.
* Create an empty array.
* For each input, create an object to store the course code and mark, and load the object into the array.
* Use alert() to show the list of course and mark, and display average at the bottom (see the example of an output at right).
* Assume users input all valid data. No validation is required.

Your mark: \_\_\_\_\_\_\_\_