**CIS 111 Final Exam A- Spring 2019 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**150 points Total (True and False and Multiple Choice questions 5 points each)**

**Be sure to write your name on the scantron.**

Mark the one best answer for each question on the scantron. All true/false and multiple choice questions have only one correct answer.

1. When x = 5 and y = 10, which of the following evaluates to true?

a) x >= y

b) x > y && x==y

c) x > y || x==y

d) x <= y

1. What value does the following print on the console

var total = 0;  
for (var i = 0; i <= 12; i+=4)   
   total = total + i;  
console.log(total);

a) 4

b) 12

c) 20

d) 24

1. Suppose a web page has a two input elements, and the content in the second input element

is currently, Avast! After this code is executed, what will the content in the second input element be?

let content = document.querySelectorAll("input")[1].value;

content = `${content} Ya lubber! `;

document.querySelectorAll("input")[1].value = content;

1. In the following code which identifier is a parameter?

function addStuff(arr){

var result = 0;

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

if(arr[i] > 0)

result += arr[i];

}

return result;

}

let x = 6;

let numbers = [2, 4, x, 8];

console.log(addStuff(numbers));

1. What is printed on the console?

let n = 1, result = 1;

while (n < 3) {

result = Math.pow(n, 2);

++n;

}

console.log(result);

1. What character does the following print on the console.

var str = "ronlittle@pactsconsulting.net";

var i = str.length - 1;

console.log(str[i]);

1. What does the following print on the console?

let names = ["Robert", "Diane", "Dennis", "Kaylene"];

console.log(names.length);

1. What does the following print on the console?

let odds = [1, 3, 5, 7];

total = 0;

for (var i = 0; i < odds.length; i++)   
   total = total + odds[i];  
console.log(total);

1. What does the following code print on the console?

var company = "Intel";

function addStuff(arr){

var result = 0;

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

if(arr[i] > 0)

result += arr[i];

}

return result;

}

1. This example prints what value on the console?

let s = "The life of a repo man is always intense";

let arr = s.split(' ');

console.log(arr[1].length);

1. What does the following print on the console?

let numbers = [2, 4, 6, 8];

console.log(numbers[1]);

1. What does the following print on the console?

let isVowel = (ch) => {

let vowels = /[aeiouyAEIOUY]/;

return vowels.test(ch);

};

console.log(isVowel("Ya3"));

1. What does the following print on the console?

let goats = 7, cows = 10, sheep = 3;

if (sheep < goats && cows > sheep)

console.log("Buy more sheep");

else if (goats < sheep && cows > goats)

console.log("Buy more goats");

else if (cows < sheep || cows < goats)

console.log("Buy more cows");

else

console.log("Save your money");

1. What type of data, the variable words is holding in the following code?

let getWords = sentence => {

return sentence.split(" ");

};

let words = (getWords("The quick brown fox"));

1. After execution of the following statements, what will be a and b’s latest value.

let a = 20, b = 10;

a++;

b = a + b;

1. The following prints what value in the console?

let prof = {fname: "Severus", lname: "Snape", classes: ["potions", "dark arts"]};

console.log(prof.fname.charAt(0) + ". " + prof["lname"]);

1. The following code prints what value on the console.

let pattern = /[\d]/;

console.log(pattern.test("A"));

1. The following prints what value on the console?

let faves = "Donuts,Milk,Eggs,Spam";

let foods = faves.split(",");

console.log(foods[2] + ", " + foods[3] + ", " + foods[1] + ", and " + foods[3]);

1. What does the following print on the console?

var addStuff = function(arr){

var result = 0;

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

if(arr[i] > 0)

result += arr[i];

}

return result;

}

console.log(addStuff([2, -4, 3, 5, 0, -1]));

1. what value this function returns?

let WTH = (s) => {

let k = 0;

for (let i = 0; i < s.length; ++i)

if(/[aeiouy]/i.test(s[i]) == true)

++k;

return k;

}

console.log(WTH("7Squids"));

1. The following displays what value if the user enters 2 at the prompt?

let n = prompt("enter a number");

console.log(4 + n);

1. What does the following print on the console?

var daysInMonth = month => {

let months = [31, 28, 31, 30, 31, 30, 31, 31, 30, 31, 30, 31];

return months[month - 1];

};

console.log(daysInMonth(2));

a) 31

b) 28

c) 30

d) false

1. Extra Credit (5 points) This is the only extra credit question. What does the following print on the console?

let numbers = [2, 4, 6, 8, 10, 12, 14];

value = numbers[numbers[1]];

console.log(value);

a) 2

b) 4

c) 8

d) 10

1. Write an arrow function called isDigit that returns true if the given character is a digit ('0' through '9'). It should return false otherwise. You will get partial credit for a partially correct answer. (20 points)
2. Write a function that returns the sum of all the numbers perfectly divisible by 5 from zero up to a given maximum number. You will get partial credit for a partially correct answer. (20 points)
3. The following if statement has at least one syntax error.

function func(n){

if(n % 2 == 0)

console.log("true");

return true;

else

return false;

}