**WESTERFIELD COLLEGE**

**INTERNATIONAL FOUNDATION PROGRAMME**

**2022/2023 Academic Session**

**MID SEMESTER EXAMINATION**

**Candidate Name:**

**Candidate Number:**

**Introduction to Computer Programming ICP002 (Jan-set)**

**May, 2023**

**Duration: 1hr 30min**

**INSTRUCTIONS**

* **Answer all the questions**
* **Use a black or blue pen. You may use an HB pencil for any diagram or graph.**
* **Write your name and candidate number in the boxes at the top of the page.**
* **Write your answer to each question in the answer booklet.**
* **Do not use an erasable pen or correction fluid.**
* **Do not write on the margin**
* **You may use calculator.**
* **You should show all your workings and appropriate units.**

**Note: please use your computer for this practical examination and send your code to this WhatsApp no 07066233903 and write the code in your answer booklet respectively.**

**MCQ**

1. What is JavaScript?  
a) JavaScript is a scripting language used to make the website interactive  
b) JavaScript is an assembly language used to make the website interactive  
c) JavaScript is a compiled language used to make the website interactive  
d) None of the mentioned

2. Which of the following is correct about JavaScript?  
a) JavaScript is an Object-Based language  
b) JavaScript is Assembly-language  
c) JavaScript is an Object-Oriented language  
d) JavaScript is a High-level language

3. Among the given statements, which statement defines closures in JavaScript?  
a) JavaScript is a function that is enclosed with references to its inner function scope  
b) JavaScript is a function that is enclosed with references to its lexical environment  
c) JavaScript is a function that is enclosed with the object to its inner function scope  
d) None of the mentioned

4. What will be the output of the following JavaScript code snippet?

<p id="demo"></p>

**var** txt1 = "Sanfoundry\_";

**var** txt2 = "Javascriptmcq";

document.getElementById("demo").innerHTML = txt1 + txt2;

a) error  
b) Sanfoundry-Javascriptmcq  
c) undefined  
d) Sanfoundry\_Javascriptmcq

5. What will be the output of the following JavaScript code?

<p id="demo"></p>

<script>

**var** js = 10;

js \*= 5;

document.getElementById("demo").innerHTML = js;

</script>

a) 10  
b) 50  
c) 5  
d) Error

6. Arrays in JavaScript are defined by which of the following statements?  
a) It is an ordered list of values  
b) It is an ordered list of objects  
c) It is an ordered list of string  
d) It is an ordered list of functions

7. What will be the output of the following JavaScript code?

*// JavaScript Comparison Operators*

**function** compare()

{

int num=2;

char b=2;

**if**(a==b)

**return** **true**;

**else**

**return** **false**;

}

a) false  
b) true  
c) compilation error  
d) runtime error  
8. What will be the output of the following JavaScript code snippet?

*// JavaScript Equalto Operators*

**function** equalto()

{

int num=10;

**if**(num==="10")

**return** **true**;

**else**

**return** **false**;

}

a) false  
b) true  
c) compilation error  
d) runtime error

9. Will the following JavaScript code work?

**var** js = (**function**(x) {**return** x\*x;}(10));

a) Exception will be thrown  
b) Memory leak  
c) Error  
d) Yes, perfectly

10. Which of the following is not javascript data types?  
a) Null type  
b) Undefined type  
c) Number type  
d) All of the mentioned

**Practical section**

**Question one**

**Note: use JavaScript to code this question**

Write a program that asks the user to enter **three numbers** (use three separate input statements). Create variables called **total** and **average** that hold the **sum** and **average** of the three numbers and print out the values of total and average.

**Question two**

What will be the output of the following JavaScript code snippet?

int a=1;

**if**(a!=**null**) *// JavaScript not equal to Operators*

**return** 1;

**else**

**return** 0;

answer \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**question three**

**what will the output of this code**

1. function display()
2. {
3. document.writeln("10"+20+30);
4. }
5. display();

**Question four:**

**write out the output of this code**

1. **<script** type="text/javascript"**>**
2. function msg(){
3. var v= confirm("Are u sure?");
4. if(v==true){
5. alert("ok");
6. }
7. else{
8. alert("cancel");
9. }
11. }
12. **</script>**
14. **<input** type="button" value="delete record" onclick="msg()"**/>**

OUTPUT