Quiz 2

# Section I – MCQs

Total Marks 100

Time: 6 hours

Encircle the correct answer out of the given options. Cutting or overwriting will result in no marks. [Mark: 10]

1. **Javascript is an**  **language?**
   1. Object Oriented
   2. Object Based
   3. Procedural
   4. None of the above
2. **Which of the following keywords is used to define a variable in Javascript?**
   1. var
   2. let
   3. Both A and B
   4. None of the above
3. **How the objects are passed in JavaScript?**
   1. By value
   2. By reference
   3. Both by value and reference
   4. None of the above
4. **Which of the following methods is used to access HTML elements using Javascript?**
   1. getElementById()
   2. getElementsByClass()
   3. Both A and B
   4. None of the above
5. **How can a datatype be declared to be a constant type?**
   1. const
   2. var
   3. let
   4. constant
6. **What will be the output of the following code snippet?**

var a = "Scaler";

var result = a.substring(2, 4); document.write(result);

* 1. al
  2. ale
  3. cal
  4. caler

1. **What will be the output of the following code snippet?**

var x=12; var y=8;

var res=eval("x+y"); document.write(res);

* 1. 20
  2. x+y
  3. 128
  4. None of the above

1. **In Github After you add a file, it becomes**
   1. Modified
   2. Staged
   3. Untracked
   4. Commited e)
2. **What command lets you create a connection between a local and remote repository?**
   1. Git remote add origin
   2. Git remote add new
   3. Git remote new origin
   4. Git remote origin

10 . When you pass an array as an argument to a function, what is actually passed?

1. the address of the array
2. the values of the elements in the array
3. a duplicate of the array
4. the number of elements in the array
5. none of the above

# Section – II

1. **Write a JavaScript program that convert Age into days. You can give hard code value of the number. [Marks: 15]**
2. **Write a java script function program check whether a string is palindrome or not. [Marks: 15]**
3. **Write a JavaScript function to format a number up to specified decimal places [Marks: 15]**

# Section – III

1. **Differentiate arrow functions and regular functions.**

**[Marks:5]**

Ans:- Arrow function cannot be used as constructors. Arrow function don’t have the local arguments value and anonymous similar to lamda function in other language.

Regular function and arrow function don’t have bindings to this arguments super new target keywords.

1. **Write a program that takes a number of greater than 5 digits from input field and shows sum of all odd numbers. For example, if the input is 196783, the sum would be 1 + 9 + 7 + 3 = 20. [Marks: 5]**
2. **Given an integer N, the task is to find the sum of interior angles of an N-sided polygon. [Marks: 5]**
3. **Create a age calculator that takes date of birth of user and shows age in years, months and days. [Marks: 5]**

# Section – IV

1. **In this question you must multiply two matrices A and B and store the answer in matrix C. For multiplying matrices, you must take care of the matrix multiplication rule i.e the column number of matrix A should be equal to matrix B.**

Step 1: Get matrix size from the user for both matrices and compare them. If it don’t follow the matrix multiplication rule, ask user again for the correct values. Step 2: Store values in list for each matrix by prompting user to enter the values. Step 3: Calculate the product of matrix A and matrix B.

Step 4: Display the out in proper format. [Marks: 25]