Quiz 2

**Total** **Marks** **100**

**Time**: **4 hours**

Section I – MCQs

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

1. **Javascript is an \_\_\_\_\_\_\_ language?**
2. Object Oriented
3. Object Based
4. Procedural
5. None of the above
6. **Which of the following keywords is used to define a variable in Javascript?**
7. var
8. let
9. Both A and B
10. None of the above
11. **How the objects are passed in JavaScript?**
12. By value
13. By reference
14. Both by value and reference
15. None of the above
16. **Which of the following methods is used to access HTML elements using Javascript?**
17. getElementById()
18. getElementsByClass()
19. Both A and B
20. None of the above
21. **How can a datatype be declared to be a constant type?**
22. const
23. var
24. let
25. constant
26. **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
5. **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
5. **AJAX is about updating \_\_\_\_\_\_, without reloading the full-page.**
6. parts of a web page
7. parts of a database records
8. parts of a HTML tags dynamically
9. parts of a CSS classes dynamically
10. **In Github After you add a file, it becomes**
11. Modified
12. Staged
13. Untracked
14. Commited
15. **What command lets you create a connection between a local and remote repository?**
16. Git remote add origin
17. Git remote add new
18. Git remote new origin
19. Git remote origin

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]**

The syntax of arrow functions is shorter and more concise than regular functions. Arrow functions are defined using the "=>" syntax, while regular functions are defined using the "function"

Arrow Function

const double = (x) => x \* 2;

Regular Function

function double(x) {

return x \* 2;

}

* 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]**