

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?

- a) Object Oriented
- b) Object Based
- c) Procedural
- d) None of the above

2. Which of the following keywords is used to define a variable in Javascript?

- a) var
- b) let
- c) Both A and B
- d) None of the above

3. How the objects are passed in JavaScript?

- a) By value
- b) By reference
- c) Both by value and reference
- d) None of the above

4. Which of the following methods is used to access HTML elements using Javascript?

- a) getElementById()
- b) getElementsByClass()
- c) Both A and B
- d) None of the above

5. How can a datatype be declared to be a constant type?

- a) const
- b) var
- c) let
- d) constant

6. What will be the output of the following code snippet?

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

- a) al
- b) ale
- c) cal
- d) caler

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

```
var x=12;  
var y=8;  
var res=eval("x+y");  
document.write(res);
```

- a) 20
- b) x+y
- c) 128
- d) None of the above

8. AJAX is about updating _____, without reloading the full-page.

- a) parts of a web page
- b) parts of a database records
- c) parts of a HTML tags dynamically
- d) parts of a CSS classes dynamically

9. In Github After you add a file, it becomes

- a) Modified
- b) Staged
- c) Untracked
- d) Committed
- e)

10. What command lets you create a connection between a local and remote repository?

- a) Git remote add origin
- b) Git remote add new
- c) Git remote new origin
- d) 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]
2. 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]
3. Given an integer N, the task is to find the sum of interior angles of an N-sided polygon. [Marks: 5]
4. 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]**