GLS UNIVERSITY
BACHELOR OF COMPUTER APPLICATIONS (BCA)
SEMESTER I
210301106 PRACTICAL ON HTML5, CSS & JAVASCRIPT
PRACTICAL ASSIGNMENT – UNIT 4

1. Write an internal javascript to display “Welcome to the GLS UNIVERSITY” using <h4> tag with document.write method. The text should appear in the center of the document.
2. Write an internal javascript to declare 3 variables of 3 different data-types i.e. String, Number and Boolean.
   Display the values of the 3 variables declared in 3 different lines and also use the typeof operator to display the type of the values stored.
3. Write an external javascript to declare 2 variables and assign numeric values to it. Perform all the arithmetic operations on the two variables and display it using appropriate message. Display a horizontal ruler after each operation.
   Eg: a=5, b=8
   output:
   5 + 8 = 13
   5 – 8 = -3 etc.
4. Write an external javascript to declare 2 variables and assign numeric values to it. Perform all the logical operations on the two variables and display it using appropriate message. Display a horizontal ruler after each operation.
   Eg: a=5, b=8
   output:
   a < 10 && b < 15 = false etc..
5. Write a JavaScript program to determine whether a given year is a leap year or not. (Using function)
6. Write a JavaScript conditional statement to find the largest of five numbers. Display an alert box to show the result.
   Sample numbers: -5, -2, -6, 0, -1
   Output: 0
7. Write a JavaScript conditional statement to find the sign of product of three numbers. Display an alert box with the specified sign.
   Sample numbers: 3, -7, 2

Output: The sign is –

8. Write a JavaScript conditional statement to sort three numbers. Display an alert box to show the result.
Sample numbers: 0, -1, 4
Output: 4, 0, -1

9. Write an internal javascript to evaluate the following String expression and display the output in appropriate format:
(a) “10 * 8 – 9”
(b) “5 * (15 – 8) / 6”
(c) “(22 + 19) * (5.6 – 2.3) / 4”
(d) “3.8 * (2.1 + 5.7) – 4.5”
Output:
10 * 8 – 9 = 71

10. Write a external javascript which accepts a name from the user using prompt and display it on the webpage in the following format:
Eg: “Enter your Name:”
Input: Rohit
Output:
Welcome to the World of JavaScript
Hello Rohit.
Thank you for visiting Us...
Have a nice Day....!!!

11. Write an external javascript which accepts an input, a Kilometer value, from the user and converts it into meters and display it to the user.
Input: 2
Output: 2 Km equals to 2000 meters.

12. Write a JavaScript program to find square and cube of number using user defined function.

13. Write a Java script program to calculate area of circle. Take necessary input from prompt and passes it to the function”area”, which return the calculated area of circle.
Equation for the area of circle is (3.14 * r * r)

14. Write a Java script which will take input as a FAHRENHEIT and convert it in to CELSIUS. (Using function)
FORMULA FOR °F TO °C IS
°C = (°F - 32) x 5/9

15. Write a Java script which will take user's AGE from prompt and pass it to the function, which return that whether that he is young boy or man.
AGE OF YOUNG BOY BELLOW 18 YEARS

AGE OF MAN ABOVE 18 YEARS

16. Write a Java script program to calculate Simple Interest. Take necessary input from prompt and passes it to the function”Simple_Interest”, which return the calculated Interest of the given principle.

    Equation for the Simple Interest is (p * r * n)/100

17. Write a Java script which will takes student's THREE SUBJECTS MARKS from prompt and pass it to the function “calc_percentage”, this function calculate percentage and passes percentage to the other function “result”, which show the student result (PERCENTAGE) and also result (PASS or Fail).

    ALL SUBJECT MAXIMUM MARK IS 100 and MINIMUM MARKS IS 35

18. Write a Javascript program to get current date, time, month, full year by implementing Date Functions

19. Write a Javascript program to get the minimum, maximum,round of and square, of the given number using Math Functions