PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2022
(Fourth Semester)

Branch – ELECTRONICS

WEB DESINING USING JAVA SCRIPT

Time: Three Hours   Maximum: 75 Marks

SECTION-A (10 Marks)
Answer ALL questions
ALL questions carry EQUAL marks   (10 x 1 = 10)

1. JavaScript is _____.
   (i) prototype-based   (ii) class-based
   (iii) object deficient   (iv) not a language that uses objects

2. What symbol is used as the assignment operator in JavaScript?
   (i) +   (ii)–   (iii) :   (iv) =

3. Which of the following comparisons will return false?
   (i) 4 != 3   (ii) 3 == 3   (iii)4 > 3   (iv) 4 <= 3

4. What do you use to enclose the blocks of code in conditionals and loops?
   (i) Parentheses   (ii) Square brackets
   (iii) Curly brackets   (iv) Less-than and greater-than characters

5. Which of the following does not correctly create an array?
   (i) var myarray = new Array();   (ii)var myarray = [3, 4, "Cool", 7];
   (iii) var myarray = new Array("hello","hi","greetings");
   (iv) var if = new Array[10];

6. What does the following code do? var s_list = new Array(5)
   (i)Creates an empty array named s_list
   (ii) Creates an array named s_list with a single item that has a value of 5
   (iii) Creates an array with five items
   (iv) The code is invalid

7. Multiple arguments are separated by what symbol?
   (i)Period   (ii)Colon   (iii) Semicolon   (iv) Comma

8. Which of the following is a valid use of the window.alert() method?
   (i) win.alt("This is text");   (ii)window.alert("This is text);
   (iii)window.alert('This is text");   (iv) window.alert("This is text");

9. What are the two ways in which you can create String objects?
   (i) Creating an instance of the String object and creating a string literal
   (ii) Creating an instance of the Array object and creating a string literal
   (iii) Creating a numeric variable and creating a numeric object
   (iv) Creating a string and adding numbers

10. Which of the following accesses the value of an element named e1 in a form named f1?
    (i)document.f1.e1.value   (ii)document.e1.f1.value
    (iii)document.f1.e2.value   (iv) document.forms1.e1.value

SECTION - B (25 Marks)
Answer ALL questions
ALL questions carry EQUAL Marks   (5 x 5 = 25)

11. a) How to create a HTML document for the JavaScript?
                              (OR)
    b) Clarify about JavaScript Comments with an example.

12. a) Discuss about Arithmetic operator with an example.
(OR)
 b) Write short notes on Logical operator with an example.

13. a) Analyze the Array Properties with an example.
(OR)
 b) Define an Array. Why the array is useful?

14. a) How to declare the code to function with an example?
(OR)
 b) Illustrate about adding return statement to the function.

15. a) Discuss the string properties and method with an example.
(OR)
 b) How to ensure the accessibility of form using JavaScript with a suitable code?

SECTION -C (40 Marks)
Answer ALL questions
ALL questions carry EQUAL Marks   (5 x 8 = 40)

16. a) How to defining variable for your script with sample code?
(OR)
 b) Write detailed notes on data types used in JavaScript.

17. a) Define Loops. Explain the various Looping statements in JavaScript with an example.
(OR)
 b) Write an HTML program to check whether the given is EVEN or ODD by using JavaScript.

18. a) Explain in detailed about Associate Array with an example.
(OR)
 b) How to use the loop with an Array with a sample code.

19. a) Elaborate on defining function and adding parameters to function with an example.
(OR)
 b) Write a JavaScript program to find the factorial of a given number using function.

20. a) Clarify about Validation of form elements using JavaScript.
(OR)
 b) Explain the following in JavaScript i) Accessing the Frames
    ii) Purpose of Frames   ii) Changing the Frames.

Z-Z-Z END