

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2022
(Fourth Semester)

Branch – ELECTRONICS

WEB DESIGNING 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 Java script 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) $4 \neq 3$ (ii) $3 == 3$
(iii) $4 > 3$ (iv) $4 \leq 3$
- 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 name 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 s 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 Strings 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.el.value`

Cont...

SECTION - B (25 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks (5 x 5 = 25)

- 11 a How will you create a HTML document with Java Script? Give an example.
OR
b Clarify about JavaScript Comments with an example.
- 12 a Discuss about Arithmetic operators with examples.
OR
b Write short notes on Logical operators with an example.
- 13 a Analyse the array properties with an example.
OR
b Define an Array. Why the array is useful?
- 14 a Illustrate defining and declaring 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 will you ensure the accessibility of form? Give an example.

SECTION -C (40 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks (5 x 8 = 40)

- 16 a Discuss , 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 number is EVEN or ODD by using JavaScript.
- 18 a Explain in detailed about Associative Array with an example.
OR
b How to use the loop with an Array ? Give a sample code.
- 19 a Elaborate on defining function and adding parameters to functions 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 iii) Changing the Frames.

Z-Z-Z

END