B.Tech DEGREE EXAMINATION, NOVEMBER 2023

Fifth Semester

18CSE373T - PROGRAMMING IN JAVA SCRIPT

(For the candidates admitted during the academic year 2020 - 2021 & 2021 - 2022)

Note:

i. **Part - A** should be answered in OMR sheet within first 40 minutes and OMR sheet should be handed over to hall invigilator at the end of 40th minute.

ii. **Part - B** and **Part - C** should be answered in answer booklet.

Time: 3 Hours   **Max. Marks: 100**

PART - A (20 × 1 = 20 Marks)
Answer all Questions

		Marks	BL	CO

1. When a user views a page containing a JavaScript program, which machine actually executes the script?   **1   1   1**
   (A) The User's machine running a Web browser
   (B) The Web server
   (C) A central machine deep within Netscape's corporate offices
   (D) The Web client

2. Why so JavaScript and Java have similar name?   **1   1   1**
   (A) JavaScript is a stripped-down version of Java
   (B) JavaScript's syntax is loosely based on Java's
   (C) They both originated on the island of Java
   (D) JavaScript is a stripped-down version of C++

3. What will be the output of the following code snippet?   **1   1   1**
   ```
   type = "text/javascript">
   a = 5+"9";
   document.write(a);
   >
   ```
   (A) 14
   (B) Complication error
   (C) 59
   (D) Runtime error

4. Which one of the following also known as Conditional Expression: **1   1   1**
   (A) Alternative to if-else
   (B) Switch statement
   (C) If-then-else statement
   (D) immediate if

5. When a user views a page containing a JavaScript program, which machine actually executes the script?   **1   1   2**
   (A) The User's machine running a Web browser
   (B) The Web server
   (C) A central machine deep within Netscape's corporate offices
   (D) The Web Client

6. In JavaScript, what is a block of statement?   **1   1   2**
   (A) Conditional block
   (B) block that combines a number of statements into a single compound statement
   (C) both conditional block and a single statement
   (D) block that contains a single statement

7. The "function" and " var" are known as: **1   1   2**
   (A) Keywords
   (B) Data types
   (C) Declaration statements
   (D) Prototypes

8. What will happen, if the following JavaScript code is executed? 1 1 2
```
var count =0;
while (count <10)
{
    console.log(count);
  count++;
}
```
(A) An error is displayed
(B) An exception is thrown
(C) The values of count variable are logged or stored in a particular location or storage
(D) The value of count from 0 to 9 is displayed in the console

9. The correct sequence of HTML tags for starting a web page is - 1 1 3
(A) Head, Title, HTML, body
(B) HTML, Body, Title, Head
(C) HTML, Head, Title, Head
(D) HTML, Head, Title, Body

10. Which of the following element is responsible for making the text bold in HTML? 1 1 3
(A) <pre>
(B) <a>
(C) <b>
(D)

11. The property in CSS used to change the background color of an element is - 1 1 3
(A) bgcolor
(B) color
(C) background-color
(D) background-image

12. The HTML attribute used to define the internal stylesheet is - 1 1 3
(A) <style>
(B) style
(C) <link>
(D) <script>

13. jQuery is a - 1 1 4
(A) JavaScript method
(B) JavaScript library
(C) JSON library
(D) PHP method

14. Which of the following sign is used as a shortcut for jQuery? 1 1 4
(A) the % sign
(B) the & sign
(C) the $ sign
(D) the @ sign

15. Which of the following jQuery method is used to hide the selected elements? 1 1 4
(A) The hidden() method
(B) The hide() method
(C) The visible(false) method
(D) The display(none) method

16. Which jQuery method is used to set one or more style properties to the selected element? 1 1 4
(A) The html() method
(B) The style() method
(C) The css() method
(D) The conflict() method

17. What server support Ajax? 1 1 5
(A) WWW
(B) SMTP
(C) HTTP
(D) FTP

18. Ajax stands for _____. 1 1 5
(A) Asynchronous JavaScript and XML
(B) Asynchronous JSON and XML
(C) Asynchronous Java and XML
(D) Asynchronous JavaScript and XMLHttpRequest

19. Ajax sends data to a web server _____. 1 1 5
(A) in the background
(B) before loading the page
(C) with reloading the page
(D) in the front ground

20. How many types of triggers are present in update panel? 1 1 5
(A) one
(B) two
(C) three
(D) four

PART - B (5 × 4 = 20 Marks)

	Marks	BL	CO
21. Mention the Regular Expression modifiers in JavaScript? Give examples.	4	1	1
22. List the advantage and disadvantage of using JavaScript?	4	1	1
23. Discuss the concept of anonymous functions in JavaScript?	4	2	2
24. Difference between HTML and HTML5?	4	2	3
25. Write down the use of toggle () method in Jquery?	4	4	4
26. Discuss the purpose of the new keyword in AJAX?	4	4	5
27. List out some of the callback functions in Ajax?	4	4	5

PART - C (5 × 12 = 60 Marks)
Answer **all** Questions

	Marks	BL	CO
28. (a) Mention the primitive data types used in JavaScript with examples?	12	2	1

(OR)

(b) Write the difference between the JavaScript and Java?

	Marks	BL	CO
29. (a) Discuss the methods used in array insertion, deletion and array length with examples?	12	1	2

(OR)

(b) Explain the concepts of Function overloading in JavaScript with an example?

	Marks	BL	CO
30. (a) Discuss in detail about the HTML tags used to display a table? With examples.	12	2	3

(OR)

(b) Discuss in detail about the different types of lists in HTML? With examples.

	Marks	BL	CO
31. (a) Explain in details about the effects methods used in Jquery?	12	4	4

(OR)

(b) Discuss in detail about the Getting and Setting attributes in Jquery?

	Marks	BL	CO
32. (a) Elucidate the role of the callback function in AJAX with examples?	12	3	5

(OR)

(b) Explain in detail about the cross-origin requests with JSONP?

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