B.Tech DEGREE EXAMINATION, MAY 2024

Fifth Semester

18CSE373T - PROGRAMMING IN JAVA SCRIPT

(For the candidates admitted during the academic year 2018-2019 to 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. Which of the following variables takes precedence over the others if the names are the same? — 1, 1, 1
   (A) Global variable (B) The local element
   (C) The two of the above (D) RMI

2. Which one of the following is the correct way for calling the JavaScript code? — 1, 1, 1
   (A) Preprocessor (B) Triggering Event
   (C) RMI (D) Function/Method

3. In a JavaScript, which one of the following is not considered as an error: — 1, 1, 1
   (A) Syntax error (B) Missing of semicolons
   (C) Division by zero (D) Missing of Bracket

4. Which of the following number object function returns the value of the number? — 1, 1, 1
   (A) toString() (B) valueOf()
   (C) toLocaleString() (D) toPrecision()

5. Which of the following function of the String object returns the character in the string starting at the specified position via the specified number of characters? — 1, 1, 2
   (A) slice() (B) split()
   (C) substr() (D) search()

6. In JavaScript the x===y statement implies that: — 1, 1, 2
   (A) Both x and y are equal in value, type and reference address as well. (B) Both are x and y are equal in value only.
   (C) Both are equal in the value and data type. (D) Both are not same at all.

7. Which of the following one is the property of the primary expression: — 1, 1, 2
   (A) Contains only keywords (B) basic expressions containing all necessary functions
   (C) contains variable references alone (D) stand-alone expressions

8. Which one of the following is an ternary operator: — 1, 1, 2
   (A) ? (B) :
   (C) - (D) +

9. Which character is used to represent the closing of a tag in HTML? — 1, 1, 3
   (A) \ (B) !
   (C) / (D) .

10. Which of the following element is responsible for making the text italic in HTML? — 1, 1, 3
    (A) <i> (B) <italic>
    (C) <it> (D) <pre>

11. The CSS property used to make the text bold is -
    (A) font-weight : bold   (B) weight: bold
    (C) font: bold   (D) style: bold
                                                              1   1   3

12. Which of the following property is used as the shorthand property for the padding properties?   1   1   3
    (A) padding-left   (B) padding-right
    (C) padding   (D) padding-left

13. Which of the following jQuery method is used to stop jQuery for few milliseconds?   1   1   4
    (A) stop() method   (B) delay() method
    (C) slowdown() method   (D) pause() method

14. The jQuery used to find all next sibling elements after the current element is --------   1   1   4
    (A) find() method   (B) nextAll() method
    (C) siblings() method   (D) next() method

15. Which of the following jQuery method is used to check whether or not the selected elements have the specified class name?   1   1   4
    (A) hasClass() method   (B) addClass() method
    (C) find() method   (D) toggleClass() method

16. The jQuery method used for parsing the JSON text is -   1   1   4
    (A) parseJSON() method   (B) parseHTML() method
    (C) noConflict() method   (D) each() method

17. Which formats are supported by Ajax to send and receive information?   1   1   5
    (A) JSON, XML, HTML, SQL, MySQL, and Text Files   (B) JSON, XML, HTML, and Text Files
    (C) JSON, XML, HTML, NoSQL, and Oracle   (D) JAVA, JSON, XML, HTML, Oracle, and Text Files

18. Which technologies give Ajax its name?   1   1   5
    (A) Net and XML   (B) ASP and XML
    (C) Asynchronous JavaScript, CSS, ASP, and XML   (D) Asynchronous JavaScript and XML

19. Which company made Ajax popular?   1   1   5
    (A) Oracle   (B) Google
    (C) Microsoft   (D) Facebook

20. What is the correct syntax to create an XMLHttpRequest object?   1   1   5
    (A) XMLHttpRequests() variable   (B) XMLHttpRequest() variable;
    (C) variables = new XMLHttpRequest()   (D) variable = new XMLHttpRequest();

PART - B (5 × 4 = 20 Marks)
Answer any 5 Questions

Marks BL CO

	Marks	BL	CO
21. List out and discuss any 4 JavaScript features in detail.	4	2	1
22. Discuss about Math function in JavaScript? Give any two examples	4	4	1
23. Discuss the concept of anonymous functions in JavaScript?	4	2	2
24. Write the difference between HTML and XHTML	4	2	3
25. Discuss the purpose of fade Toggle () method in Jquery?	4	2	4
26. Discuss the purpose of the new keyword in AJAX?	4	2	5
27. List out the technologies used by AJAX?	4	4	5

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

Marks BL CO

28. (a) Discuss the primitive data types used in JavaScript with examples? 12 2 1

(OR)

(b) Create a JavaScript function that calculates the tip for a given bill amount and tip percentage. Bill amount and tip percentage are the input parameters , output should be the calculated tip value.

29. (a) Discuss the methods used in array insertion, deletion and array length with examples? 12 4 2

(OR)

(b) Write a JavaScript program to find the largest element in a nested array.

30. (a) Discuss in detail about the CSS Box Model and its elements? 12 2 3

(OR)

(b) Explain the concepts of the Set Timer and Set Timeout in detail?

31. (a) Explain in detail about the Event Handling concepts in Jquery? 12 4 4

(OR)

(b) Illustrate the concepts of node creation, insertion, modification and deletion in Jquery? With examples?

32. (a) Discuss in detail about the get and post formats with examples. 12 4 5

(OR)

(b) Discuss in detail about the concepts of Synchronous and asynchronous requests?

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