

BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(END SEMESTER EXAMINATION)

CLASS: BTECH
BRANCH: CSE

SEMESTER : VII
SESSION : MO/2024

SUBJECT: CS435 FRONT END DESIGN

TIME: 3 Hours

FULL MARKS: 50

INSTRUCTIONS:

1. The question paper contains 5 questions each of 10 marks and total 50 marks.
 2. Attempt all questions.
 3. The missing data, if any, may be assumed suitably.
 4. Before attempting the question paper, be sure that you have got the correct question paper.
 5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.
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Q.1(a)	Explain with example: prompt (),document.write(),console.log() application in JavaScript.	[5] 2	2
Q.1(b)	Create one HTML document that displays an alert dialog box to the user. Once the user clicks a form button, immediately another alert dialog box must appear on the same page.	[5] 1	3
Q.2(a)	Enumerate different ways of creating objects.	[5] 3	1
Q.2(b)	Write a program to iterate over the object's properties, and display them on the console.	[5] 5	3
Q.3(a)	Why do you think arrow functions were introduced in JavaScript? Explain the use of arrow functions with suitable code.	[5] 3	2
Q.3(b)	Write the program code for array addition, subtraction and multiplication of multidimensional arrays.	[5] 1	3
Q.4(a)	List out the different events used by DOM for event handling.	[5] 3	2
Q.4(b)	Explain the timing-based event handling mechanism in JavaScript with suitable demonstration using program code.	[5] 5	5
Q.5(a)	List the properties provided by the Math object. Explain why most of these properties are static in nature.	[5] 2	3
Q.5(b)	What do you understand by Regular Expressions? Explain how RegExp can be used with Strings using suitable examples.	[5] 3	5

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