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B.M.S. College of Engineering, Bengaluru-560019

Autonomous Institute Affiliated to VTU

July 2023 Semester End Main Examinations

Programme: B.E.

Semester: VIII

Branch: Institutional Elective

Duration: 3 hrs.

Course Code: 20IS80EWTS

Max Marks: 100

Course: Web Technologies

Date: 06.07.2023

Instructions: 1. Answer any FIVE full questions, choosing one full question from each unit.
2. Missing data, if any, may be suitably assumed.

			UNIT - I			CO	PO	Marks
Important Note: Completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages. Revealing of identification, appeal to evaluator will be treated as malpractice.	1	a)	Illustrate with an example the following HTML elements: i) Table ii) Checkbox iii) Form iv) radio button					
		b)	Create a HTML document to describe a table with the following contents: The columns of the table must have the headings Mango, Orange, Coconut. The rows must have the labels Average Height, Average Width, Typical Lifespan and Leaf Type. Assume the data cell values.			<i>CO1</i>	<i>PO2</i>	10
			UNIT - II					
	2	a)	Describe the different types of selector forms with example.			<i>CO2</i>	<i>PO1</i>	10
		b)	Develop and demonstrate the usage of inline, internal and external style sheet using CSS					
			UNIT - III					
	3	a)	Define event and event handler. Write a javascript to display alert message “Welcome to My Home Page” when the body of the document is loaded.			<i>CO3</i>	<i>PO2</i>	10
		b)	Show the usage of string manipulation functions with examples: i) CharAt() ii) indexOf() iii) split() iv) substr()					
			OR					
	4	a)	With examples, give any 5 string handling functions in Javascript.			<i>CO3</i>	<i>PO2</i>	10
		b)	Demonstrate with examples, screen output and keyboard input methods in Javascript.					
			UNIT - IV					
	5	a)	Implement callback function to find addition of two numbers and display the result.			<i>CO4</i>	<i>PO2</i>	10

		b)	Give the request and response in Postman API.	<i>CO2</i>	<i>PO1</i>	10
			UNIT - V			
6	a)	Develop a Node JS program that implements a series of simple timeouts which outputs the number of milliseconds since the timeout was scheduled.		<i>CO5</i>	<i>PO3</i>	10
	b)	Show methods of writing and reading from Buffer objects.		<i>CO4</i>	<i>PO2</i>	10
		OR				
7	a)	Write a Node JS program to find distinct field values in a specific set of documents in a MongoDB collection.		<i>CO5</i>	<i>PO3</i>	10
	b)	Give the properties of URL object.		<i>CO2</i>	<i>PO1</i>	10

B.M.S.C.E. - EVEN SEM 2022-23