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

Autonomous Institute Affiliated to VTU

January / February 2025 Semester End Main Examinations

Programme: B.E. **Semester: VII**

Branch: Electronics and Communication Engineering **Duration: 3 hrs.**

Course Code: 22EC7PE3JS **Max Marks: 100**

Course: Java Scripting

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**
	1	a)	Differentiate between a HTML tag and element. Are there any empty tags? Give the use of any 4 tags with an example.	*CO 1*	*PO 1*	**10**
		b)	Write code to generate a paragraph as given below using appropriate HTML formatting element. JavaScript is a **high-level, versatile programming language** primarily used for creating dynamic and interactive content on the web. It is one of the <u>core technologies</u> of the *World Wide Web*, alongside HTML and CSS.	*CO 2*	*PO 3*	**10**
			OR			
	2	a)	Outline how style attribute may be used with headings and paragraph to set text color and text- font to some preferred value.	*CO 1*	*PO 1*	**10**
		b)	Write HTML codes to get the following webpage: Hint: use paragraph and styles. I am normal / I am red / I am blue / I am green	*CO 2*	*PO 3*	**10**
			UNIT - II			
	3	a)	Outline the need for java script in webpage design with an example. What features can be added using java script, outline with syntax any one feature.	*CO 1*	*PO 1*	**10**
		b)	Input a character(a-z) [without input element]. Check if it a vowel or consonant and print the result.	*CO 2*	*PO 3*	**10**

			OR			
	4	a)	In how many ways can output be provided to the users. Outline how a method is to be selected with examples.	*CO 1*	*PO 1*	**10**
		b)	Create a webpage with Java Scripting as the name of the webpage. Ask the user to enter Name and print in a new window WELCOME <Name>. Do not use button or input tag.	*CO 2*	*PO 3*	**10**
			UNIT - III			
	5	a)	Create an application that will ask the user to enter favourite place .If the user does not enter With in 10 seconds , display sorry in different window.	*CO 2*	*PO 3*	**10**
		b)	Create an array of numbers. Show how this array can be extended. Explain the use of const qualifier with arrays. Pass the array to a function and print the contents of the array with index number.	*CO 1*	*PO 1*	**10**
			OR			
	6	a)	Create an array of objects (user_name and password). Outline how the object contents can be printed.	*CO 1*	*PO 1*	**10**
		b)	Create a string variable. Check if the string has 'an' in it using different array methods (any 2).	*CO 2*	*PO 3*	**10**
			UNIT - IV			
	7	a)	List and explain the use of any 2 keyboard events.			**10**
		b)	Create an UI that can be used with various applications. The UI should be as follows: Two buttons: Submit, Clear are to be provided. If the user clicks Submit a dialogue box that says 'You are about to submit the data' should be opened. If Clear button is clicked, a dialogue box that says 'You will lose the data' must be opened.	*CO 2*	*PO 3*	**10**
			OR			
	8	a)	List some mouse events and their uses.	*CO 1*	*PO 1*	**10**
		b)	Creta a form to continuously ask for a number whose value is minimum 2 and max 10 and to print its square upon clicking a button named Square.	*CO 2*	*PO 3*	**10**
			UNIT - V			
	9	a)	Outline the syntax of table. Create a table of 2 rows and 3 columns. The header should be EmpID, Department, Salary.	*CO 1*	*PO 1*	**10**
		b)	Create a timer app to start at the launch of the app and to stop when a button named click is pressed. The webpage should have appropriate title and should look good.	*CO 2*	*PO 3*	**10**
			OR			
	10		Create a percussion app for kids to work as follows: (a)The webpage title should be "Come, let's play" (b) Create a button "HIT" where the kids will start hitting on the launch of the app (c) Count the number of times HIT button is pressed in 1 minute (d) Display the score	*CO 2*	*PO3*	**20**

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