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

Autonomous Institute Affiliated to VTU

December 2023 Supplementary Examinations

Programme: B.E.

Semester: I / II

Branch: Common to all Branches

Duration: 3 hrs.

Course Code: 22CS1ESWEB / 22CS2ESWEB

Max Marks: 100

Course: Introduction to Web Programming

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)	With an example code snippet discuss the following HTML elements. a) Sup b) strong c) hr				CO1		06								
	b)	Apply necessary HTML list properties that fulfill the following design requirements. 1. Web Designing a. HTML b. CSS o Internal style o External style c. JS 2. Machine Learning i. Supervised ■ Classification ■ Regression ii. Unsupervised				CO2	PO1	08								
	c)	Differentiate between internet and world wide web.				CO1		06								
UNIT - II																
2	a)	Apply the suitable tags to generate the below output. Fruits and vegetables contain important vitamins, minerals and plant chemicals. They also contain fibre. and serve them.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Fruits</th> <th style="text-align: center;">Vegetables</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Mango</td> <td style="text-align: center;">Carrot</td> </tr> <tr> <td style="text-align: center;">Banana</td> <td style="text-align: center;">Potato</td> </tr> <tr> <td style="text-align: center;">Apple</td> <td style="text-align: center;">Cabbage</td> </tr> </tbody> </table>			Fruits	Vegetables	Mango	Carrot	Banana	Potato	Apple	Cabbage	CO2	PO1	12
Fruits	Vegetables															
Mango	Carrot															
Banana	Potato															
Apple	Cabbage															
	b)	Give the difference between a) HTML and XHTML. b) GET and POST method				CO2	PO1	08								

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.

UNIT - III					
3	a)	Discuss the ID selector and pseudo class selector with example.	CO2	PO1	06
	b)	Write a code to display following text. Font example This is a tag, to which you need to add style. Note: The text “is a tag” should be displayed in red color.	CO3	PO2	06
	c)	Briefly explain CSS position properties with example.	CO3	PO2	08
	OR				
4	a)	Discuss the different type of Style specification formats with an example.	CO2	PO1	08
	b)	Demonstrate how to insert and change size of images and background images in CSS with an example code snippet.	CO3	PO2	06
	c)	Briefly explain the box model in CSS.	CO3	PO2	06
	UNIT - IV				
5	a)	Discuss the different string methods used in JavaScript.	CO4	PO3	08
	b)	Write a JavaScript program to test whether the first character of a string is uppercase or not.	CO4	PO3	06
	c)	Write a note on Document object model(DOM).	CO4	PO3	06
	OR				
6	a)	Discuss arrays in Javascript and demonstrate how to insert elements into an array and print array elements with example program.	CO4	PO3	08
	b)	Write a JavaScript function to count the number of vowels in a given string.	CO4	PO3	04
	c)	Illustrate with an example different operators used in JavaScript.	CO4	PO3	08
	UNIT - V				
7	a)	Discuss event listener function in JavaScript with example program.	CO4	PO3	08
	b)	Write a JavaScript program to find factorial of a number using recursion.	CO4	PO3	06
	c)	Briefly explain different mouse events.	CO4	PO3	06
