GUJARAT TECHNOLOGICAL UNIVERSITY
BE- SEMESTER–V (NEW) EXAMINATION – WINTER 2024

Subject Code:3151606   **Date:28-11-2024**
Subject Name:Web Development
Time:10:30 AM TO 01:00 PM   **Total Marks:70**
Instructions:
1. **Attempt all questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**
4. **Simple and non-programmable scientific calculators are allowed.**

			Marks
Q.1	**(a)**	Explain and give one example for following terms: (1) Website (2) URL (3) Domain	**03**
	(b)	Explain Internal CSS. Apply following style to an HTML form: font-style,color,margin-top,margin-left	**04**
	(c)	Create an HTML form for student registration using controls like textbox, checkbox, text area, radio button, combo box, file upload, submit button and reset button.	**07**
Q.2	**(a)**	What is SEO? Explain the process of it in brief.	**03**
	(b)	Create a web page using frame. Divide the page into two parts with Navigation links on left hand side of page (width=20%) and content page on right hand side of page (width = 80%). On clicking the navigation Links corresponding content must be shown on the right-hand side.	**04**
	(c)	Create your resume using HTML (Suggested sections of resume are Personal Information, Educational Information, Professional Skills, Experience, Achievements, Hobbies), Experiment with text, colors, link and other html tags that you studied.	**07**

OR

	(c)	Create infinite div animation that will change both the background-color and the position of the <div> element when the animation is 25% complete, 50% complete,75% complete and again when the animation is 100% complete.	**07**
Q.3	**(a)**	Write a java script to demonstrate alert, confirm and a prompt box.	**03**
	(b)	Using java script create a simple calculator for addition, subtraction, multiplication and division operation.	**04**
	(c)	Create a registration form using JavaScript on one click of the button. Make use of at least following functions: createElement(), appendChild(), setAttribute()	**07**

OR

Q.3	**(a)**	List and explain build-in objects of JavaScript with one example of each in a program.	**03**
	(b)	Explain use of Regular Expression. Make one function for Email validation using it. Call the function on Submit event.	**04**
	(c)	Create a survey form for some item using JavaScript only. Make use of all the necessary built-in JavaScript functions to create form elements.	**07**
Q.4	**(a)**	List out all the string handling functions in PHP with example.	**03**
	(b)	How to upload a file in PHP. Give one example.	**04**
	(c)	Create HTML Page with java script which takes Integer number as input and tells whether the number is Palindrome or not.	**07**

OR

Q.4	**(a)**	Define following terms in PHP: 1. Session 2. Cookie 3. Constructor	**03**
	(b)	Write a program to create an array and make sum of all the elements. Make use of for each loop for calculation in PHP	**04**
	(c)	What is Inheritance? Implement inheritance in PHP using PHP program.	**07**
Q.5	**(a)**	How we can use hidden form field to maintain session in PHP?	**03**
	(b)	Explain interfaces in PHP. Show the difference between interfaces and abstract classes in PHP.	**04**
	(c)	Write a PHP script to insert, update and delete records from the database.	**07**

OR

Q.5	**(a)**	List out features of PHP.	**03**
	(b)	Create an Image slider using jQuery.	**04**
	(c)	Write a PHP script to demonstrate passing variables through a URL, and load data from database based on the passed data.	**07**

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