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

Subject Code:3154205   **Date:23-05-2024**
Subject Name:Web Application Development
Time:02:30 PM TO 05:00 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)**	Discuss the differences between HTTP and HTTPS and the importance of secure web communication.	**03**
	(b)	What is SEO? Explain the role of keywords and metadata in optimizing web pages for search engines.	**04**
	(c)	Create HTML Page that contains form with fields Name, Email, Mobile No., Gender, Favorite Color and a show button. Write a java script code to combine and display the information in textbox when the button is clicked.	**07**
Q.2	**(a)**	What is CSS? Explain the types of CSS with example.	**03**
	(b)	Write the difference between javascript and jQuery.	**04**
	(c)	Define the Hypertext Transfer Protocol (HTTP) and describe its role in facilitating communication between web clients and servers through HTTP Request and Response.	**07**

OR

	(c)	Write HTML code to Create your class timetable using table tag. Give different color to each column which is representing a day using CSS.	**07**
Q.3	**(a)**	Write a javascript code to demonstrate the pop up boxes.	**03**
	(b)	Explain <a>,<img> and <select> tag with example.	**04**
	(c)	Create an image slider using jQuery and CSS, incorporating features such as automatic slide transitions, navigation controls, and responsive design.	**07**

OR

Q.3	**(a)**	Write a javascript code to take a positive number and find out if it's prime or not. If any negative number is entered then send the appropriate alert message.	**03**
	(b)	Write HTML code to create ordered and unordered list.	**04**
	(c)	Write jQuery code to perform common DOM manipulation tasks, such as adding or removing classes, modifying content, or handling events.	**07**
Q.4	**(a)**	Write PHP code to find out the largest number from 3 given numbers.	**03**
	(b)	Differentiate between server side and client side scripting,	**04**
	(c)	Design HTML page which takes Name, Address, Email and Mobile No. and display on the next page using PHP.	**07**

Q.4	(a)	Explain the types of Array in PHP with example.	**03**
	(b)	Differentiate between Session and Cookies.	**04**
	(c)	Write a PHP program to print first 10 Fibonacci Numbers.	**07**
Q.5	(a)	Write a PHP code to demonstrate Cookies.	**03**
	(b)	Explain the difference between GET and POST method.	**04**
	(c)	Write a PHP script for user authentication using PHP-MYSQL. Use session for storing username.	**07**

Q.5	(a)	Write a PHP code to demonstrate Session.	**03**
	(b)	What is DOM? Write a javascript code to demonstrate getElementById and innerHTML.	**04**
	(c)	Write PHP Script to perform CRUD operation using MySql.	**07**

****