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

Subject Code:3160713   **Date:22-05-2024**
Subject Name: Web Programming
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)**	Define following: 1. URL 2. HTTP 3. Web Server	03
	(b)	Write differences between client-side scripting and server-side scripting.	04
	(c)	What is cascading style sheet (CSS)? Compare inline, embedded and external style sheet with example.	07
Q.2	**(a)**	Differentiate GET and POST methods.	03
	(b)	Explain different design issues at the time of designing an effective website.	04
	(c)	Explain "class" and "id" in CSS with suitable example.	07
		OR	
	(c)	Explain usefulness of rowspan and colspan attributes in HTML Table. Also, Write HTML code to print the following table.	07

State of Health	Fasting Value	
	Minimum	Maximum
Healthy	70	100
Pre-Diabetes	101	126
Diabetes	More than 126	N/A

			MARKS
Q.3	**(a)**	Write a short note on error handling in JavaScript.	03
	(b)	Discuss callback in JavaScript with the help of appropriate example.	04
	(c)	Design Student registration form including rollno, name, password and mobile number using HTML. Also write JavaScript to validate following: • All Fields are compulsory. • Password length should be 6 to 8 characters long. • Mobile number must be of 10 digits only.	07
		OR	
Q.3	**(a)**	Explain different types of popup boxes in JavaScript.	03
	(b)	Write a short note on DOM (Document Object Model) in JavaScript.	04

	(c)	Write a java script to find whether entered number by user is prime or not.	**07**
Q.4	**(a)**	Explain ordered and unordered list in HTML with example.	**03**
	(b)	Explain types of loops in PHP.	**04**
	(c)	What are different types of arrays in PHP? Explain with example to process the arrays in PHP.	**07**

OR

Q.4	**(a)**	Write a note on Web services.	**03**
	(b)	Write a PHP code to demonstrate a calculator using switch case.	**04**
	(c)	Briefly discuss sessions and cookies in PHP using appropriate example.	**07**
Q.5	**(a)**	Write a short note on file handling in PHP.	**03**
	(b)	Write a note on AJAX.	**04**
	(c)	Design Employee form with Employee ID, Employee Name, Designation details with submit button using HTML. On clicking submit button, entered Employee details should be fetch and display on another webpage "EmpInfo.php".	**07**

OR

Q.5	**(a)**	Briefly discuss JSON.	**03**
	(b)	Write the differences between synchronous and asynchronous web programming.	**04**
	(c)	Discuss steps to connect database using PHP. Also, discuss any two database operations using proper example.	**07**

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