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

Subject Code:3161012   **Date:20-05-2024**
Subject Name:Web Technology
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.**

Q.1	**(a)**	Define Protocol. List the various types of servers.	**03**
	(b)	Explain the architecture of web browser.	**04**
	(c)	Discuss the web design issues in detail.	**07**
Q.2	**(a)**	How many types of heading does an HTML contain? Explain them.	**03**
	(b)	Compare: Ordered List and Unordered List.	**04**
	(c)	Design Student registration page for any event in HTML.	**07**
		OR	
	(c)	Design a page with HTML, which show daily routine time table of yours.	**07**
Q.3	**(a)**	List down the advantages of JavaScript.	**03**
	(b)	Explain datatypes and operators used in JavaScript.	**04**
	(c)	Explain pop-up boxes in JavaScript with examples.	**07**
		OR	
Q.3	**(a)**	Compare and contrast Client Side and Server Side Scripting.	**03**
	(b)	What do you mean by event in JavaScript? Give at least two examples of events with their handling.	**04**
	(c)	Explain HTML forms and form validation in JavaScript	**07**
Q.4	**(a)**	List various String Functions in PHP.	**03**
	(b)	What is the difference between identical and equal operator in PHP? Explain with example.	**04**
	(c)	Write a php program to check if number is prime or not.	**07**
		OR	
Q.4	**(a)**	Explain various types of arrays in PHP.	**03**
	(b)	What are CRUD operations with Database in PHP?	**04**
	(c)	Explain the predefined and user defined functions in PHP with an example.	**07**
Q.5	**(a)**	How to create a hyperlink in HTML? Write a code for it.	**03**
	(b)	List advantages and disadvantages of CSS.	**04**
	(c)	Design a web page of your hometown with an attractive background color, text color, an Image, font etc. (use internal CSS).	**07**
		OR	
Q.5	**(a)**	How many types of text alignments can be included in a CSS page? Which property of CSS controls the repetition of image inserted in a web page as a background?	**03**
	(b)	How would you embed CSS in your HTML?	**04**
	(c)	Explain frames and its usage in HTML with examples.	**07**

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