GUJARAT TECHNOLOGICAL UNIVERSITY
M.SC(IT)- INTEGRATED– SEMESTER I- EXAMINATION –SUMMER-2024

Subject Code: 1310505   **Date: 16/05/2024**

Subject Name: Internet and Web Technology

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. **Use of simple calculators and non-programmable scientific calculators are permitted.**

Q.1	**(a)**	Define the term WWW.	**03**
	(b)	Explain the purpose of a Virtual Private Network and describe a situation where it might be crucial for online privacy and security.	**04**
	(c)	Explain the client server architecture.	**07**
Q.2	**(a)**	List datatypes of JavaScript.	**03**
	(b)	How to create table in HTML Explain with suitable example.	**04**
	(c)	Discuss planning and publishing of the website.	**07**

OR

	(c)	List and explain web design issues.	**07**
Q.3	**(a)**	Explain HTML Structure.	**03**
	(b)	Explain setting an image as a background on web pages using suitable example.	**04**
	(c)	Create HTML page which asks for student registration information.	**07**

OR

Q.3	**(a)**	Explain HTML Tag and attributes.	**03**
	(b)	List and explain any four formatting tags of HTML.	**04**
	(c)	How do you create web page graphics and how do you put graphics on a web page?	**07**
Q.4	**(a)**	List and explain three key features of a CSS style sheet	**03**
	(b)	Explain CSS color property with Example.	**04**
	(c)	Explain different ways of integrating CSS on webpage using suitable example.	**07**

OR

Q.4 **(a)** List Advantages of CSS. **03**

(b) Write components of CSS. **04**

(c) Explain external style sheet. How is it linked to HTML documents? List advantages of external style sheet. **07**

Q.5 **(a)** Explain scope in JavaScript. **03**

(b) Build a JavaScript program to convert temperature from Celsius to Fahrenheit and vice versa. **04**

(c) Explain JavaScript Loops with suitable examples. **07**

OR

Q.5 **(a)** List various types of Operators in JavaScript. **03**

(b) Design A JavaScript to display sum of two numbers. **04**

(c) Explain with suitable example for creating and calling a user-defined function in JavaScript. **07**