

GUJARAT TECHNOLOGICAL UNIVERSITY**BE- SEMESTER- VI EXAMINATION – SUMMER 2026****Subject Code:3161012****Date:26-05-2026****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.

MARKS

- Q.1** (a) Define a Web browser. List commonly used web browsers. **03**
 (b) Differentiate between HTML and XHTML. **04**
 (c) Discuss the characteristics of effective navigation. Also write code of html page to open a link in a new browser window. **07**

- Q.2** (a) Describe CSS Box model. **03**
 (b) Explain the difference between class and id in CSS with example. **04**
 (c) Discuss positioning in CSS with example **07**

OR

- (c) Write CSS code for the following: i) set the background color for the hover and active link states to "orange". ii) Set the list style for unordered lists to "square". iii) Set "lotus.gif" as the background image of the page. **07**

- Q.3** (a) Explain HTML Frames with advantages and disadvantages. **03**
 (b) Explain ordered and unordered list with example. **04**
 (c) Discuss the different form attributes and design a simple form to register for new user including user name, password, email, mobile number, gender and hobbies. **07**

OR

- Q.3** (a) Explain character entities in HTML **03**
 (b) State and explain various list tags in HTML with example. **04**
 (c) Write HTML code to print following table. **07**

Country	No. of cricket matches played		% win
	One Day	Test	
India	575	304	57
Pakistan	670	302	56

- Q.4** (a) State the advantages of JavaScript. **03**
 (b) List various JS array methods and state their function with an example. **04**
 (c) Write a JavaScript that handles following events. (i) If the mouse is over heading, change font color to "red" and if the mouse goes out of the heading change it to "black" (ii) If key pressed is 'a','e','i','o','u', the message should be displayed on pop up box that "vowel is pressed" (iii) If "Date and Time" button is clicked it displays current date and time information. **07**

OR

- Q.4** (a) State the data types in Javascript. **03**
 (b) List various JS string methods and state their function with an example. **04**
 (c) Write a JavaScript to find first 20 prime numbers. **07**

- | | | |
|------------|--|-----------|
| Q.5 | (a) State the rules for defining PHP Variables. | 03 |
| | (b) List PHP string methods and state their function with an example. | 04 |
| | (c) Write a PHP program to upload image. And also check file size should not greater than 30 KB. | 07 |

OR

- | | | |
|------------|---|-----------|
| Q.5 | (a) Differentiate between local, global and static PHP Variables. | 03 |
| | (b) List PHP sort Array functions. Explain sort() with an example | 04 |
| | (c) Write HTML and PHP program to read and store student information such as enrollment no, name, semester and percentage from database table. | 07 |
