

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VI EXAMINATION – SUMMER 2025

Subject Code: 3161012

Date: 26-05-2025

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) List and explain the website design principles. **03**
(b) Differentiate between Client Side Scripting and Server Side Scripting. **04**
(c) What is HTTP? How do browser and server communicate using HTTP request and response? Explain with example. **07**

- Q.2** (a) Explain how to use the same style sheets for different webpages. **03**
(b) Write the Difference between POST and GET methods. **04**
(c) What is navigation? Discuss the characteristics of effective navigation. Also write code of html page to open a link in a new browser window. **07**

OR

- (c) Design Login Page HTML. Page must have fields in page Username, Password, Remember Me and Login Button. **07**

- Q.3** (a) Write JavaScript code to know which mouse button was clicked and number of elements in form. **03**
(b) Write a JavaScript to accept a number to check whether it is greater than 100 or not? **04**
(c) Explain pop-up boxes in JavaScript with examples. **07**

OR

- Q.3** (a) State true or false and justify your answer : “Java Script is untyped language” **03**
(b) What is the difference between identical and equal operator in PHP? Explain with example. **04**
(c) Write a program to develop simple calculator for addition, subtraction, multiplication and division operation using JavaScript **07**

- Q.4** (a) Explain any two website design issues. **03**
(b) Write a JavaScript, that uses a loop, that searches a word in sentence held in an array, returning the index of the word. **04**
(c) Write a php program to check if number is even or not. **07**

OR

- Q.4** (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) What is use of “break” and “continue” statements in PHP scripts? **04**
(c) Explain Session & Cookie in PHP with proper example. **07**
- Q.5** (a) Explain require() and include() functions in PHP. **03**
(b) List advantages and disadvantages of CSS. **04**
(c) What do you mean by class and id in CSS? Show the use of external CSS with example. **07**

OR

- Q.5** (a) Explain ordered and unordered list with example. **03**
(b) How would you embed CSS in your HTML? **04**
(c) Write PHP script to read and write a text file. **07**