

## 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**

**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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**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER-VI (NEW) EXAMINATION – SUMMER 2023****Subject Code:3161012****Date:10-07-2023****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.

		<b>MARKS</b>
<b>Q.1</b>	(a) What is server? Explain types of servers.	<b>03</b>
	(b) List and explain the website design principles.	<b>04</b>
	(c) Explain the points which should be considered for planning a website.	<b>07</b>
<b>Q.2</b>	(a) What is HTML attribute? Explain the function of any attribute with an example.	<b>03</b>
	(b) Explain following HTML tags with example (i) <select> (ii) <pre>	<b>04</b>
	(c) Design Login Page in HTML. Page must have fields in page Username, Password, Remember Me and Login Button.	<b>07</b>
	<b>OR</b>	
	(c) What is HTML List? What are the types of HTML List? Explain each with HTML coded example.	<b>07</b>
<b>Q.3</b>	(a) Write the difference between Client-Side Scripting and Server-Side Scripting	<b>03</b>
	(b) Write a JavaScript, that uses a loop, that searches a word in sentence held in an array, returning the index of the word.	<b>04</b>
	(c) Design a form using HTML and JavaScript that asks the user to enter his date of birth and on clicking the Calculate Button it calls the function that calculates how many days are left in your birthday?	<b>07</b>
	<b>OR</b>	
<b>Q.3</b>	(a) List some advantages of JavaScript.	<b>03</b>
	(b) Write a java script code to find whether given number is prime or not.	<b>04</b>
	(c) Explain pop-up boxes in JavaScript with examples.	<b>07</b>
<b>Q.4</b>	(a) Explain CSS position property.	<b>03</b>
	(b) What is the meaning of cascading? How do style sheets cascade?	<b>04</b>
	(c) What is CSS Pseudo-elements and Pseudo-classes? Explain with the example. List different Media types in CSS.	<b>07</b>
	<b>OR</b>	
<b>Q.4</b>	(a) What is the float property used for in CSS?	<b>03</b>
	(b) How to integrate CSS on a web page?	<b>04</b>
	(c) Explain the CSS Box Model and its different elements.	<b>07</b>
<b>Q.5</b>	(a) Explain require () and include () functions in PHP.	<b>03</b>
	(b) Explain session in PHP with example.	<b>04</b>
	(c) Write PHP code to read data from a text file and display it in browser.	<b>07</b>
	<b>OR</b>	
<b>Q.5</b>	(a) Write a php program to display today's date in dd-mm-yyyy format.	<b>03</b>
	(b) Explain index and associative arrays in PHP.	<b>04</b>
	(c) Explain database connectivity in PHP with example.	<b>07</b>

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER-VI (NEW) EXAMINATION – SUMMER 2022****Subject Code:3161012****Date:06/06/2022****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) | What is HTTP? How server and client communicate using HTTP? | <b>03</b> |
| (b) | Sketch and Describe architecture of web browser             | <b>04</b> |
| (c) | Enlist website design principles.                           | <b>07</b> |

- Q.2**
- |     |  |           |
|-----|--|-----------|
| (a) | Describe with example : (1) ID (2) Class   | <b>03</b> |
| (b) | Describe DOM structure of HTML.  | <b>04</b> |
| (c) | Design login page with following detail (a) Login ID (b) Password (c) Login Button | <b>07</b> |

**OR**

- |     |   |           |
|-----|---|-----------|
| (c) | Describe following HTML Tag.<br>(1) <b> (2) <body> (3) <div> (4) <script> | <b>07</b> |
|-----|---|-----------|

- Q.3**
- |     |   |           |
|-----|---|-----------|
| (a) | How to add image in HTML page? Describe with example.                                     | <b>03</b> |
| (b) | Describe concept of ordered list and unordered list with example.                         | <b>04</b> |
| (c) | How to add table in HTML page? Write HTML code to enter following data in tabular format. | <b>07</b> |

Name	Roll No	Marks	Status
Rajesh	55	22	Fail
Anil	59	56	Pass
Ramesh	61	50	Pass

**OR**

- Q.3**
- |     |  |           |
|-----|--|-----------|
| (a) | How to change the font size in HTML document? Describe with example.   | <b>03</b> |
| (b) | Write HTML+CSS code to have following effects:<br>(1) Title Line : color=blue, font-style=Calibri , font-size=20, alignment=center<br>(2) Paragraph : color=red, font-style=Cambria, font-size=15, alignment=left<br>Title line : WEB TECHNOLOGY | <b>04</b> |
| (c) | Write HTML code to display your resume on web-page.  | <b>07</b> |

- Q.4**
- |     |   |           |
|-----|---|-----------|
| (a) | Describe event in Javascript. Explain any one with example.   | <b>03</b> |
| (b) | Write Javascript code to print following pattern. Number of row is taken runtime.<br>*<br>* *<br>* * *<br>* * * * | <b>04</b> |
| (c) | Write Javascript code to validate 10 digit mobile number.   | <b>07</b> |

**OR**

- Q.4** (a) Differentiate client-side and server-side programming. **03**  
(b) Write Javascript code to print Fibonacci series **04**  
(c) Write Javascript code to validate password with following requirements **07**  
(1) Password must have one small letter, one capital letter, one digit and one special character  
(2) Password must not have white space  
(3) Length must be greater than 8 characters.

- Q.5** (a) Describe features of PHP **03**  
(b) Differentiate equality and identical operator in PHP. **04**  
(c) Write PHP code to read information from File1.txt and write on File2.txt. **07**

**OR**

- Q.5** (a) Describe various types of control statements in PHP **03**  
(b) Describe associative array in PHP. **04**  
(c) Write PHP code to store user data (Name, Mobile Number) with mysql database **07**

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